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UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Yellowstone National Park
(Area)

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SUPERINTENDENT'S MONTHLY REPORT

AUGUST 1956

IMPORTANT

FROM:

TO:

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

A2823

Report 181

OFFICE OF THE SUPERINTENDENT

Summary of the August 1956 Monthly Narrative Report
YELLOWSTONE NATIONAL PARK

	<u>Page</u>
<u>WEATHER:</u> Warm; nights cooler. Mammoth low 26°, high 87°, 1.57" moisture. Park maximum 89°, minimum 17°. Snow end month; closed Beartooth road.	1
<u>TRAVEL:</u> August travel 3.4% & season to date 7.8% ahead, 1,286,366; South greatest increase. Surveys number in cars & cars by states.	1-2
<u>VISITORS:</u> Special visitors listed, incl. number of Congressmen.	2-4
<u>INSPECTIONS:</u> Official visitors listed.	4-6
<u>SPECIAL ACTIVITIES:</u> Rogers & Joffe to Montana Press Assn. meeting; Rogers to Teton. Hamilton, Mattson, Gunzel to W. Yell. airfield meeting. Barrows to Glacier & Teton. Anderson & Gabbert to Glacier re new accounting system. Sharp to Wash. Training Program. Gallatin Cons. Comm. & Mont. Wildlife Fed. meetings; Yell. representatives. Staff meeting. W. Yell info station closed. Appointment School Board. Sign Committee. Mattson, Robinson, Hyde NPS Park Practice Screening Comm. Winter ranger assignments. Population census; daily average 17,907 in park, 5,052 employees, 12,855 guests. New NPS boat. Television at Bunsen Peak, not Mammoth. NPS Founders Day. C.S. Reg. Dir. Burroughs transfer to Wash.; Organovic replacing at Denver. Management Review Team meeting with Rogers & Hamilton before leaving. Mrs. McMullin presented awards posthumously for George McMullin, former Electrical Supervisor.	6-9
<u>MISCELLANEOUS:</u> AFGE meeting. Picnic at Norris for Management Review Team. Savages Christmas.	9
<u>DEATHS:</u> Mrs. John Armstrong, visitor, stroke; James Thurston, YP Co. employee, heart attack; Homer Springer, NPS Caretaker, heart attack; Fred Willson, YP Co. Architect, died at Bosenan; Edward Lovett, YP Co. employee, heart ailment; George Leding, visitor, heart attack; Mrs. Kenneth Schramm, visitor, thrown from horse.	9-10
<u>BIRTHS:</u> Son to Ranger and Mrs. Bruce Adams; daughter to Truck Driver James Berens & Clerk-Steno wife; son to seasonal Naturalist Dennis Brown--grandson to Otto Browns; daughter to Foreman & Mrs. Wm. Hape.	10

<u>PERSONNEL:</u>	Quiton to GS-5 Ranger. Bateman Power Plant Opr. Hayes Ranger from Teton. Peterson Electrician appt. McComas to Olympic Chief Ranger from Asst. Chief here. Supt. Rogers to be on legislative history assignment, Garrison to Supt. Conter transfer to Rocky Mtn. Baer from Rainier to be Elect. Foreman. Sharp to Wash. Training. New perm. positions. New seas. ungraded positions filled. Seasonal terminations, etc.	10-12
<u>IN-SERVICE TRAINING:</u>	Sharp to Wash. training. Weekly News.	12
<u>ACCIDENTS:</u>	72 car accidents. Car struck by falling tree.	12
<u>BUILDING FIRES:</u>	2 truck & 1 building fire. Hazard Inspection Report in. Standard fire hydrant decided upon.	12
<u>PUBLICITY:</u>	Press releases on square dance jamboree, travel, & fall closings. Info phoned re accident & death. Releases appeared re Rogers & Garrison transfers. Broadside dummy submitted. 93,140 broadsides on hand.	12-13
<u>RELIGION & CHAPEL:</u>	Various church services. Messiah. Memorial gift for Wm. Dunn.	13
<u>INTERPRETIVE SERVICES:</u>	Program curtailed little at end. All well attended, especially Mammoth terrace trip. Gardiner program successful. Amphitheater program discussed & memo. Girl Scouts geology hike.	13-14
<u>RESEARCH AND OBSERVATION:</u>	Indian artifacts. Grizzlies at dumps. Racoons reported. Birds at Molly Islands & area observed. Mountain lion reported. Picketpins hibernating. Blue Spring dried up, resumed flow; other changes.	14-15
<u>MUSEUMS:</u>	Cut flower displays popular. Specimens for Canyon Museum.	14
<u>NATURAL HISTORY ASSOCIATION:</u>	YUMA librarian & clerks. Necessity change Bannock Indian Trails book. Public address projector stolen from O.F. amphitheater found undamaged.	15
<u>CONCESSIONERS:</u>	House counts over 8000 & nights. IP Co. closings approved. Haynes Tower Fall store robbed. Doctor changes. Roosevelt Lodge & Haynes Shop there closed.	16
<u>COMPLAINTS:</u>	Four complaint letters.	16
<u>MAINTENANCE:</u>	Maintenance work listed; curtailed due funds; camp closings. Building maintenance.	16-17
<u>RANGER SERVICE:</u>	Special activities. Increase in routine duties. Brown to Sheriffs & Peace Officers meeting on leave.	17

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<u>LAW ENFORCEMENT:</u>	Tower Fall Haynes Store robbed. FBI trips in. 53 cases tried, 49 other reported.	17-18
<u>BEARS:</u>	73 bear injuries, 76 damages, 8 destroyed, 4 bears killed by traffic season to date. Grizzlies observed.	18
<u>MOOSE:</u>	Moose great attraction.	18
<u>ELK:</u>	Some moving down. Tourist attraction. Nat'l Wildlife Fed. man in, advised continuing program informing sportsmen re reduction plans. Two meetings re Gallatin elk herd; plan reduce herd.	18-19
<u>SWAN CENSUS:</u>	Trumpeter swan census; 57 in park.	19
<u>SANDHILL CRANE:</u>	34 observed Bechler area.	19
<u>FISH:</u>	5,040 cutthroat fry planted Blacktail Lake. Assistance to Mont. State men on study insects following spraying. Shocking tests Hellroaring area re fish population.	19-20
<u>RANGE:</u>	Kittans' observations range conditions. Range studies transects established. Range pictures compared. Heavy use observed.	20
<u>FOREST FIRES:</u>	9 forest fires, 1 196 acres size, difficult reach. Barrows & Cook detection flight. Fire danger changes.	19-20
<u>BLISTER RUST:</u>	Gynn & Chapman in from Missoula. Benedict in from Wash., USFS. Crew on fire. Program reviewed with Cook, etc.	21
<u>FOREST INSECTS:</u>	Insect Lab man inspected sawfly infestation Bechler & budworm areas. Viruses apparently killing black-headed budworm & sawfly virus. Barrows arranged with Johnson for aerial insect surveys.	22
<u>FOREST CLEARING:</u>	Grant Bay clearing by logger for timber contemplated.	22
<u>RANCH & CORRAL:</u>	Packer at fire much of month. Haying at Lamar continued.	22
<u>SURVEYS:</u>	EPR Engineers inspect bridges. USPHS men in. P. E. Smith & Cecil Doty, WODC, in re projects. MacDonald, Reg. Engr., in re maintenance program.	23
<u>CONSTRUCTION:</u>	Contract projects approvals, progress listed. 1957 FY money received first of month. NPS projects listed. Progress concessioner construction.	23-25
<u>UTILITIES:</u>	Meeting of NPS & YP Co. re outside power proposal. Prospective bidders FM radio system in.	25-26

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

A2023
Report Inl

OFFICE OF THE SUPERINTENDENT

September 10, 1956

Memorandum

To: The Director
From: Superintendent, Yellowstone National Park
Subject: Monthly Report for August 1956

Following is the report of activities for Yellowstone National Park during the month of August 1956:

General

Weather Conditions. August weather remained warm throughout the month for the most part but the nights cooled off progressively. At Mammoth a low of 26° was recorded on August 31, a high of 87° was recorded on the 13th, 14th and 23rd, total precipitation was 1.57 inches, greatest daily precipitation was .55 inch, days on which precipitation was recorded were 13, and the highest burning index of the season, 54.3, was recorded on the 23rd. The last few days of the month produced a wet spell which covered the higher peaks with a generous mantle of snow. Mail fell at Mammoth on the 2nd.

The maximum temperature for the park was 89° at West Yellowstone on August 13, 14 and 23 and the park minimum was 17° at Lamar Unit on the 31st.

The Beartooth road, between the Northeast Entrance and Red Lodge, Montana, was closed by snow on the 30th. It was reopened on the 31st.

Increase or Decrease in Travel. August travel was up 3.4% over the same month last year, 446,379 visitors against 431,784. The daily average for the month was 14,399 compared to an average of 13,929 for August of 1955. The millionth visitor arrived on August 12. The millionth visitor arrived August 18 in 1955 and August 17 in 1953 and 1954.

The total travel for the season to date was 1,268,366 compared to 1,176,659 for the same period last year, a 7.8% increase. South Entrance again shows the greatest percentage of increase for the season to date with 13.3% increase. West Entrance has an increase of 9.5%, North Entrance 3.7%, East Entrance 3.6% and Northeast Entrance 0.5%.

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

OFFICE OF THE SUPERINTENDENT

Yellowstone Park, Wyo.

Dear Sir:

Reference is made to your letter of the 14th inst.

concerning the proposed road from the

east side of the park to the west side of the

park.

The proposed road is shown on the map attached hereto. It is proposed to run from the east side of the park to the west side of the park, passing through the park. The road is proposed to be 12 feet wide and to be paved with gravel. It is proposed to be built in two sections, the first section from the east side of the park to the west side of the park, and the second section from the west side of the park to the west side of the park.

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A survey was conducted July 29 through August 4 at the entrance stations to determine the average number of visitors per automobile and the number of automobiles from each state. This showed an average of 3.39 persons per car and the survey by states showed California in the lead, Montana second, Utah third, Illinois fourth, and Wyoming fifth, followed by Idaho, Texas, Iowa, Washington, and Ohio in that order. A second check was made for the period August 19-25 but the figures had not all been compiled at the end of the month. It may be necessary to raise the factor of 3.28 which has been used for a number of years as the average number per car, which figure was multiplied by the number of vehicles to arrive at total visitation.

Special Visitors. Several Members of Congress visited the park during the month a number of which were en route home following the adjournment of Congress or to or from the Democratic and Republican National Conventions at Chicago and San Francisco, respectively. They included Congressman Thor C. Tellefson of Washington, in August 1-3 with family; Congressman Glenard P. Lipscomb of California, in Northeast August 7 with family and out August 9 to Tetons; Congressman Charles S. Gubser of California, with wife, daughter and daughter's girl friend, in South August 5 and out West 7th; Congressman Earl Wilson of Indiana, with family, in August 8, out following day; Senator Frank A. Barrett of Wyoming with daughter and grandson in August 9 for night; Congressman Orvin B. Pjare of Montana in Northeast August 16; Congressman James E. Van Zandt of Pennsylvania in East with party August 17; Congressman Walter M. Mumma of Pennsylvania in August 24 with grandson, out North 26th; and Mrs. Cecil M. Harden, Congresswoman from Indiana, in South August 28 with husband, out East 30th.

Miss Margarita Jokisch, El Salvador, who is studying development of tourism in the United States, in August 2 from Teton, out Northeast August 7.

Major General Robert O. Bare, U. S. Marine Corps, and Mrs. Bare in East August 5 and out to Tetons 7th on transfer to Camp Pendleton, California. General Bare assisted the National Park Service in the development of Prince William Forest Park.

Bekir Sami Akay, Forester, Turkey, who has been studying road construction and timber utilization with the U. S. Forest Service for the past two months, in North August 7, out 10th to West Yellowstone.

Albert E. Carter, former U. S. Congressman and Chairman of Appropriations Committee during the depression, in East August 7 for couple days.

Dr. Ralph W. Chaney, Professor of Paeobotany, University of California, Berkeley, who for a number of years served on the Advisory Board on National Parks, Historic Sites, Buildings, and Monuments, arrived

August 7, made a trip to Mary Mountain area with Erling Dorf of Princeton University and Park Naturalist Condon, and departed the 12th.

Ben Hundley, Chief Clerk in Yellowstone for several years more than 20 years ago, and recently retired from Fish and Wildlife Service, Portland, Oregon, in South August 9 with Mrs. Hundley on visit to various National Park Service areas.

Samuel W. Crosby, Alexandria, Virginia, Staff Member of Committee on Appropriations, House of Representatives, in North August 9.

Dr. Russell Spittler, member of Yellowstone Park medical staff about 1939, now of Lodi, California, in August 10 with wife and three sons.

Franz Lipp, Chicago architect, who for many years photographed in Yellowstone and other National Park Service areas and whose Yellowstone photographic exhibit has been shown in several places in the United States and abroad, in August 10 with wife.

Dr. Franz Joseph Bach, Second Secretary of German Embassy, Washington, D. C., and wife and daughter in August 10, out 11th.

Sir Roger Makins, British Ambassador, Washington, D. C., with Lady Makins and other party members, in August 10, out 11th.

Mrs. Russell Long, wife of Senator Long of Louisiana, with another lady and three children, in August 13 for couple days.

Charles Leonard, Editor-Owner, Hot Springs Star, Hot Springs, South Dakota, who is strong supporter of Wind Cave and other National Park Service areas and assisted in the publication of the National Park Service Employees and Alumni Association newspaper, and Mrs. Leonard, in August 14, out South 16th.

Jose Vergara, Agricultural Attache, Spanish Embassy, Washington, D. C., with Mrs. Vergara, daughter, son and three friends, in East August 14 for five days.

Stuart Jewell of Walt Disney Productions with assistant arrived August 16 to film summer segment of Walt Disney picture of the park, remaining through the end of the month.

Elizabeth S. Cushman, Student Conservation Corps Representative, National Parks Association, Washington, D. C., in from Teton August 17 and continued to Olympic National Park.

Miss Edna Gamble, FILMASTERS, Television and Motion Picture Productions, New York City, who is doing educational film for release to schools, in West August 24 for about five days to obtain scenes in Yellowstone of places photographed by William Jackson about 1870.

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Andrew H. Brown, Editorial Staff, National Geographic Society, Washington, D. C. who has been in the park since June 21 gathering material and pictures for a Yellowstone article for National Geographic Magazine for which he and Dr. Paul Zahl, who was in the park April 14 to May 6 for winter material, will be joint authors, departed August 26.

Francis P. Farquhar of San Francisco, accountant and well-known mountain climber, who for many years was the accountant for Fryer and Trischman and has done other accounting work in the park, in with san August 26 and 27.

Horace M. Albright, member of National Park Service Advisory Board and former Superintendent of Yellowstone from 1919 to 1929 and Director of the National Park Service from 1929 to 1933, who has continued a keen interest in National Park affairs, in with Mrs. Albright August 21, to leave September 6 to attend National Conference of State Parks meeting at Jackson Lake Lodge.

Inspections. L. L. Lilly, Board Advisor, Tenth U. S. Civil Service Region, Denver, Colorado, who arrived with his family July 31 to Review Board of C. S. Examiners operations, left August 3.

Philip F. King, Assistant to the Director, Washington Office, arrived August 2 via West Entrance with his wife and daughter, participated with the Region Two Management Review Team, and left August 7 for Glacier.

Warren V. Benedict, Chief, Division of Blister Rust Control, U. S. Forest Service, Washington, D. C., in August 4 with wife and daughter.

Edwin C. Alberts, Regional Naturalist, Region Two, in August 5 in connection with interpretive operations, departing August 12.

Samuel Hoover, Supervisor, Electrical ~~and~~ ~~mechanics~~, Washington Office, arrived August 6 on power and other matters; out South 13th for San Francisco.

The members of the Region Two Management Review Team consisting of George F. Baggeley, Regional Chief of Operations; H. Raymond Gregg, Regional Chief of Interpretation; William E. Robertson, Regional Engineer; and I. J. Castro, Regional Administrative Officer, who arrived July 29, departed for Teton August 7 with the exception of Mr. Castro who with his family left via North Gate the following day for Custer Battlefield National Monument and Omaha.

Lee Moran, Attorney Advisor, Indian Claims Commission, Washington, D. C., in August 7.

C. E. Hardy, Forester, Fire Research, Intermountain Forest and Range Experiment Station, Missoula, Montana, in August 10 for the weekend regarding fire danger rating system.

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Lawrence F. Cook, Chief Forester, National Park Service, in Northeast August 12; out 15th to Teton.

Frank H. Anderson, Superintendent, Scotts Bluff National Monument, and former Yellowstone District Ranger, in August 16 and 17 with family and friends.

Cecil J. Doty, Architect, Western Office, Division of Design and Construction, San Francisco, with Mrs. Doty, arrived August 18 and departed the 21st for Theodore Roosevelt National Memorial Park and Rocky Mountain National Park.

Philip C. Johnson, Leader, Forest Insect Laboratory, U. S. Forest Service, Missoula, Montana, in August 18 and inspected forest insect infestation with Assistant Chief Ranger Edwards.

Dr. Erling Dorf, Department of Geology, Princeton University, Princeton, New Jersey, who arrived June 16 with party to continue work on fossil flora research, left August 19. He expects to return next year to complete the work.

P. L. Smith, Supervising Engineer, in South August 19, out August 21.

E. B. Erickson, Bureau of Public Roads, Denver, arrived August 20 as Resident Engineer at Canyon for the remainder of the season, to succeed Don Yarrington who has been transferred to South Dakota.

Dr. James Pepper, Montana State Entomologist, and his assistant, Ellsworth Hastings, made an inspection trip with Biologist Kittams to the Hellroaring Creek area on August 21 in connection with spruce budworm spraying effects on fish life.

John C. Gynn and Clarence M. Chapman, Foresters, U. S. Forest Service, Missoula, left August 22. Mr. Gynn has been in the park since August 13 and Mr. Chapman since August 19 in connection with the blister rust control program.

Lester Bagley, Assistant Director, Fish and Wildlife Service, Washington, D. C., in August 23 to observe Fish and Wildlife Service operations in the park. He was formerly connected with the Wyoming Game and Fish Department.

G. B. Welsh, Senior Assistant Sanitary Engineer, Denver, and Curtis E. Richey, Sanitary Engineer, San Francisco, both with the U. S. Public Health Service, in August 23 on various sanitation matters, out 26th.

John E. Doerr, Chief Naturalist, National Park Service, in August 23 in connection with interpretation and other matters. He departed August 27.

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J. B. Mosley, District Operation Manager, Post Office Department, Cheyenne, Wyoming, in August 23 on post office inspection and discussed post office space with Superintendent Rogers.

Barnes MacDonald, Highway Engineer, Region Two, and Mrs. MacDonald in West August 24, departing the 31st.

Miss Isabel Fickens, Staff Assistant, Technical Review Staff, Department of the Interior, Washington, D. C., on business trip for the Department, in August 25-27.

M. F. Maloney, Division Bridge Engineer, Bureau of Public Roads, Denver, and C. A. Hunt, Area Engineer, B. P. R., Jackson, Wyoming, in August 28-29 on bridge inspection.

George L. Jacobson, who has been on assignment at Canyon since June 7 by the Western Office, Division of Design and Construction as Sanitary Engineer, departed August 28 for the U. S. Public Health Service Office in Denver to complete the assignment, then to return to Rapid City where he is Associate Professor on Sanitary Engineering at the South Dakota School of Mines and Technology.

John G. Lewis and family in August 31 en route on transfer from Superintendent, Saguaro National Monument, to Superintendent, Isle Royale National Park. They expect to depart September 3.

A four man inspection crew from the Forest Insect Laboratory, U. S. Forest Service, Missoula, started at Tower Fall August 9 on a two weeks investigation of last year's spruce budworm spray area inside and outside the park to determine amount of defoliation recurring in sprayed areas.

Special Agent Mason Melvin, Federal Bureau of Investigation made five trips to the park on law enforcement matters. Special Agent in Charge T. J. Gearty, Butte Office, accompanied Mr. Melvin to the park on the 25th. Special Agent Robert Hedden was also in the park on three occasions. It is understood Mr. Hedden has been transferred to Charlotte, North Carolina.

Investigator L. S. Gerrard, Tenth Civil Service Region, from Salt Lake City, Utah, was in the park on the 10th checking employees' records. On the 23rd Roy L. Finley, Salt Lake City Investigator, U. S. Civil Service Commission, was in the park on similar work.

Louis S. Malack, Office of Security, Department of State, was in the office on the 29th checking former employees records.

Special Activities. Superintendent Rogers and Management Assistant Joffe attended the 71st annual meeting and banquet of the Montana Press Association in Livingston on August 18. Mr. Rogers made a trip August 29 to Grand Teton National Park.

1. The first part of the report deals with the general situation of the country and the progress made in the various fields of activity during the period covered.

2. The second part of the report deals with the results of the various investigations carried out during the period covered.

3. The third part of the report deals with the results of the various investigations carried out during the period covered.

4. The fourth part of the report deals with the results of the various investigations carried out during the period covered.

5. The fifth part of the report deals with the results of the various investigations carried out during the period covered.

6. The sixth part of the report deals with the results of the various investigations carried out during the period covered.

7. The seventh part of the report deals with the results of the various investigations carried out during the period covered.

8. The eighth part of the report deals with the results of the various investigations carried out during the period covered.

9. The ninth part of the report deals with the results of the various investigations carried out during the period covered.

10. The tenth part of the report deals with the results of the various investigations carried out during the period covered.

11. The eleventh part of the report deals with the results of the various investigations carried out during the period covered.

Assistant Superintendent Hamilton, Park Landscape Architect Mattson and District Ranger Gunzel of West Entrance attended a meeting in West Yellowstone August 28 in connection with a proposed airfield development near West Yellowstone outside the park.

Forester Barrows made trips to Glacier National Park August 8-11 and to Grand Teton August 15-17.

Administrative Officer Anderson and Fiscal Accounting Assistant Gabbert made trips to Glacier National Park August 7-12 and August 27 to receive instruction on the new accounting system, to be installed in Yellowstone beginning October 15.

Park Ranger Sharp left August 27 for Washington, D. C. as region Two representative at the Eighth Departmental Training Program September 10, 1956, to April 12, 1957.

The Upper Gallatin Conservation Committee held its annual fall meeting on August 17-19 at the Cinnamon Creek Forest Ranger Station between Bozeman and West Yellowstone. Biologist Kittams and Assistant Chief Ranger Edwards participated in the two-day horseback ride of the Gallatin area and Mr. Kittams and District Ranger Gunzel attended the Sunday meeting.

On August 25 the Montana Wildlife Federation held a directors meeting at the Cinnamon Ranger Station in the Gallatin Canyon. Messrs. Edwards, Kittams, Gunzel, and Supervisory Park Ranger Budge attended.

A staff meeting of division heads and other park officials was held August 16 in the conference room.

The information station inside the West Entrance closed for the season on August 25.

Due to the expiration of appointment of Willis Stanton as Chairman of the Yellowstone Park School Board on August 1, the Superintendent reappointed Mr. Stanton as Chairman of the Board for a one-year period to August 1, 1957. The other members of the Board are Mrs. Merrill D. Neal, Secretary-Treasurer, and Maynard Barrows, Member, who terms expire August 1, 1958, and August 1, 1957, respectively.

The Yellowstone Park Sign Committee was appointed August 13 as follows: Gerald A. Rowe, Chairman, and Frank E. Mattson, David de L. Condon and Stanley McComas, Members. The membership remains the same as previously except that Mr. Rowe replaces Philip H. Wohlbrandt who has transferred from the area.

Park Landscape Architect Mattson, Equipment Supervisor Robinson and Sanitation Officer Hyde were appointed by the Director as members of the National Park Service Park Practice Screening Committee. The purpose

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of the committee is to evaluate material submitted in the interest of good design and practice.

The winter assignments of Protection Division personnel were released by the Chief Ranger's Office on August 30. Some of the moves will be made in the near future and others at various dates in the fall and early winter as stations are closed down and patrols and buffalo and elk reductions are completed.

A population census was conducted in the park on August 7, 10 and 12, showing a total average of 17,207 of which 5,052 were employees and 12,255 guests. This was a 20.1% increase over the census taken on August 9, 12 and 14, 1955, when the average for the three days showed 3,729 employees and 11,183 guests for a total of 14,912. The 1955 showed 747 employees this year, the concessioners 3,228 and the contractors and others 1,097. Campers and trailerites showed a marked increase this year, 5,003 against 3,629 last year.

The National Park Service purchased a new boat and launched it at Yellowstone Lake August 10. It has been named "The Gull". It is of the "Lone Star" make, is 21 feet long and has twin 40 horsepower motors. Its speed will help considerably in the patrol of the Lake by park rangers and will be most useful in cases of fires which can be reached by any of the Lake.

Excellent television reception from Station KID-TV, Idaho Falls, Idaho, was achieved the night of August 14 on the Burnsen Peak road near Golden Gate in an experiment by Electrical and Electronics supervisor Hoover from the Washington Office, Electrical Supervisor Murray, Park Engineer Rowe, Electrician Peterson and others; however, attempts the following evening for reception in the Mammoth area continued to fail. It is hoped television may somehow come to Mammoth in the near future.

August 25 was designated "National Park Service Founders Day" in honor of the 40th anniversary of the establishment of the National Park Service on August 25, 1916. Special talks on the subject were given by the ranger naturalists at each of the park's campfire programs on the evening of August 25.

E. J. Burroughs, Regional Director, Tenth Civil Service Region, Denver, Colorado, in which region Yellowstone is situated, was transferred August 10 to Chief of the Personnel Management Review Section of the Bureau of Inspections and Classification Audits of the Civil Service Commission's Washington Office. He is to be succeeded September 1 by Nicholas J. Organovic, presently serving as Assistant Director of the Departmental Operations in the Commission's Washington Office. Meanwhile, Ben L. Fischbach, Deputy Regional Director, served as Acting Regional Director.

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The Region Two Management Review Team, consisting of Regional Chief of Operations Bagley, Regional Chief of Interpretation Gregg, Regional Administrative Officer Castro, Regional Engineer Robertson, and Assistant to the Director King met with Superintendent Rogers and Assistant Superintendent Hamilton in the Superintendent's office on August 7 prior to their departure from the park.

On August 6 Mrs. Marcine McMullin was presented a Certificate of Honor Award granted posthumously to her husband, George McMullin, Electrical Supervisor, who died of a heart attack while in Glacier National Park on April 10. Also presented were a Citation for Commendable Service, a medal and lapel button, and a lifetime pass for Mrs. McMullin to the areas administered by the National Park Service. Presentation was made by Superintendent Rogers. Dixie Mae McMullin, daughter of Mrs. McMullin, attended the presentation.

Miscellaneous. The American Federation of Government employees held its regular monthly meeting in the Canteen on August 13.

A community picnic was held at the Norris campground on August 5 in honor of the Region Two Management Survey Team, Messrs. Bagley, Castro, Robertson, and Gregg from the Regional Office and Mr. King from the Washington Office, and to provide an opportunity for these men and our permanent personnel to become better acquainted.

The "Savages" (seasonal concessioner employees) at Mammoth, Old Faithful and some other areas in the park celebrated a second park Christmas on August 25 with special parties, the exchange of gifts, Christmas decorations and singing of carols. Other savages celebrated a Christmas on July 25.

Deaths. Mrs. John W. (Gladys Marie) Armstrong, 41, Wheatland, Indiana, died August 10 at the Mammoth Hospital following a stroke suffered at Old Faithful three days earlier. Her body was removed by Franzen Mortuary of Livingston for return to Indiana.

James C. Thurston, 35, of Bozeman, Montana, a plumber's helper of the Yellowstone Park Company at Canyon Hotel, died there of a heart attack on August 10. Removal was by Franzen Mortuary and funeral services were at Bozeman with burial there in Sunset Hills Cemetery.

Homer H. Springer, 59, seasonal caretaker with the National Park Service, passed away at the Mammoth Museum August 13 due to a heart attack. He was in charge of the Mammoth grounds crew for a number of years and was largely responsible for the fine appearance of the lawns. His body was handled by Franzen Mortuary and funeral services and burial were at Gardiner, Montana.

Fred F. Willson, 79, of Bozeman, died at a hospital there on August 13. He was for many years an architect for the Yellowstone Park

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Company and designed many of the buildings in the park. His funeral was in Boxeman on August 16.

Edward R. Lovett, 52, of Phoenix, Arizona, a plumbing supervisor for the Yellowstone Park Company, died at the Mammoth Hospital on August 25 due to a heart ailment. His body was taken by Franzen Mortuary and burial was in Mountain View Cemetery in Livingston.

George R. Leming, 62, Durango, Colorado, died at the Mammoth Hospital August 25 following a heart attack. He was touring the park with his wife, son, niece and nephew. Franzen Mortuary prepared his body for shipment to Durango for funeral services and burial.

Mrs. Kenneth Hoy (Diane Alberta) Schramm, 27, New Milford, New Jersey, died August 29 of fractured skull and neck when thrown from a horse and striking a tree. She was on a regular afternoon horseback trip from Canyon Lodge and the accident occurred near Clear Lake. She was accompanied by her husband. Her body was removed by Franzen Mortuary for shipment to New Jersey. This was the second fatal accident in the park this season.

Births. A son was born August 2 to Mr. and Mrs. Bruce A. Adams at Iowa City, Iowa. He was named Robert Bruce. The Adamses are stationed at the South Entrance where he is a permanent Park Ranger.

On August 15 a daughter, Valerie Lynn, was born to Mr. and Mrs. James J. Berens of Gardiner at the Livingston Memorial Hospital. Mr. Berens is a seasonal Truck Driver (Heavy Duty) with the National Park Service and Mrs. Berens has been employed this summer as a seasonal Clerk-typographer in the Chief Ranger's Office.

A son, Lane Dennis, was born August 15 to Mr. and Mrs. Dennis J. Brown at the Mammoth Hospital. Mr. Brown is employed as a seasonal Park Ranger (Naturalist) and Chief Ranger and Mrs. Otto A. Brown are the paternal grandparents.

A daughter, Elaine Nell, was born August 16 to Mr. and Mrs. William E. Hape of Gardiner at the Mammoth Hospital. Mr. Hape is a seasonal Mixed Gang Foreman with the National Park Service here.

Administration

Personnel. Donald K. Gaiton received a promotion (career-conditional) from seasonal Park Ranger (General), GS-4, to Park Ranger, GS-5, effective August 5.

Perry W. Bateman of Casper, Wyoming, received a career-conditional appointment as Power Plant Operator, Ungraded, \$1.92 per hour, on August 10, selection having been made from the Civil Service register.

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On August 12 Arthur J. Hayes received a reassignment and change of headquarters from Park Ranger, GS-5, Grand Teton National Park, to Park Ranger, GS-5, Yellowstone.

Arnold M. Peterson was given a career-conditional appointment as Electrician, Ungraded, \$2.20 per hour, effective August 26. Selection was made from the Civil Service register.

Stanley McComas, Assistant Chief Park Ranger, GS-9, departed August 31 on promotion and change of headquarters to Chief Park Ranger, GS-11, Olympic National Park, to be effective September 4.

Advice was received August 2 of the transfer of Grand W. Rogers, Superintendent, to the position of Assistant to the Director to be assigned full time on the legislative history of areas administered by the National Park Service, on which project he has been working part time for a number of years, to be located at Beaver, and that of Lemuel A. Garrison to the Superintendency of Yellowstone. Mr. Garrison is presently Chief of Conservation and Protection in the Washington Office. The changes are to be effective November 1.

Roger J. Contor, Park Ranger, GS-5, was selected as supervisory Park Ranger, GS-6, Rocky Mountain National Park, to report at that area about October 1.

Willis A. Baer, Electrician Foreman, Mount Rainier National Park, has been selected for the Electrician Foreman vacancy in Yellowstone, to report when he can be released from that area.

Robert H. Sharp, Supervisory Park Ranger, GS-6, was selected August 21 as the National Park Service representative from Region Two to participate in the Eighth Departmental Training Program in Washington, D. C. from September 10, 1956, to April 12, 1957. He left August 27 to report September 7 at the Washington Office.

New permanent positions were established in Yellowstone as follows: Pos. No. 141, Clerk, GS-5, to serve as office services supervisor, and No. 142, Mail and File Clerk, GS-3, August 16; No. 143, Sign Maker, Ungraded, \$2.20 per hour, and No. 30, Plumber, Ungraded, \$2.20 per hour, in lieu of No. 30, Plumber Foreman, Ungraded, August 17; and No. 80, Packer, Ungraded, \$1.62 per hour, in lieu of No. 80, Packer Foreman, Ungraded, effective August 23.

Sixteen seasonal ungraded positions were established for Foreman, Mixed Gang, \$2.42 per hour, and thirteen were filled by the end of the month as follows: Frank Roberts and James E. Apperson by reinstatement (career) (subject to furlough) and William T. Jump, William A. Hape, Donald L. Armstrong, Julian A. Knutson, Millard Stebbins, Kerby W. Sims, Lloyd W. Taggart, Cecil O. Owen, Leslie H. Plummer, J. Frank Johnson, and Harold G. Moss by career-conditional appointment (subject to furlough). Also,

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DEPARTMENT OF CHEMISTRY
5708 SOUTH CAMPUS DRIVE
CHICAGO, ILLINOIS 60637

RECEIVED
JAN 15 1964

TO THE DIRECTOR
FROM THE DEPARTMENT OF CHEMISTRY

RE: [Illegible text]

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Joseph W. Dexter received a career-conditional appointment (subject to furlough) in a newly established position of Truck Driver, Heavy Duty, \$1.93 per hour, and Lester H. Gillett and Arthur V. Smith received similar appointments as Mechanic, Automotive (Garage Mechanic), \$2.08 per hour.

Mrs. Marjorie A. Somerville was given a temporary appointment August 27 as seasonal Time, Leave and Payroll Clerk, GS-4. She resigned at the close of August 31. Ronald K. Mulcahey, seasonal Project Clerk, GS-4, resigned at the close of August 23, and Martell J. Gee, seasonal Store-keeping Clerk, GS-3, at the close of August 30. James M. Vance and Cole L. MacPherson, seasonal Fire Control aids (smokejumper), GS-5, were terminated August 27. Quite a number of seasonal Park Naturalists, GS-5, Park Rangers (Naturalist), GS-4, Park Rangers (General), GS-4, Fire Control Aids and others were furloughed or terminated during the month.

In-Service Training. Supervisory Park Ranger Robert J. Sharp and family left the park August 27 for Washington, D. C. where he will attend the Eighth Departmental Training Program which will begin September 7.

On each Thursday, Yellowstone's Weekly News was issued to keep employees, concessioners and others currently informed of park happenings.

Accidents and Public Safety. Seventy-two motor vehicle accidents were reported during the month in the following classes: 31 in Class A (minor property damage), 30 in Class B (major property damage), and 11 in Class C (personal injury and major or minor property damage).

On August 27 Mr. George Shannon of Houston, Texas, was driving from Madison Junction to Old Faithful when his car was struck by a falling tree which smashed the hood and windshield, damaged the rest of the car extensively, and gave minor injuries to the four members of the Shannon family. Damage to the car was estimated at over \$1,000.

Building Fire Protection. Three Individual Fire Reports Form 10-402 were submitted from the field reporting two fires which occurred in trucks and one which occurred in a Yellowstone Park Company tool shed building at Old Faithful.

The Annual Fire Hazard Inspection Report for Government and Concessioner Buildings was submitted.

A standard fire hydrant for Yellowstone installations was settled upon by Sanitary Engineer Hyde and Fire Chief Chapman. The hydrant is to meet National Fire Protective Association specifications in all respects.

Cooperative Activities

General Publicity. A press release was issued August 2 to a number of newspapers, press associations, and others on the square dance jamboree to be held at Old Faithful Lodge on September 1, 2 and 3. The July comparative travel figures were sent August 2 and a press release

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on fall travel and closing dates on August 23 to the park's mailing list.

Information was furnished by telephone to the Associated Press August 13 on the automobile accident near Silver Gate and to the Associated and United Presses August 29 on the death of Mrs. Kenneth Schramm who was thrown from a horse.

News releases appeared in newspapers throughout the country on the transfer of Superintendent Rogers to Assistant to the Director on special assignment in Denver on the legislative history of areas administered by the National Park Service and on the transfer of Lemuel A. Garrison from the Washington Office to the Superintendency of Yellowstone, to be effective November 1.

On August 7 the dummy for the 1957 Yellowstone broadside prepared by Jean Speiser was mailed to the Region Two Office.

A total of 93,140 Yellowstone broadsides remained on hand at the close of the month.

Religious Services and Chapel Use. The Yellowstone National Park Chapel was used for the regularly scheduled services during the month and for the special Roman Catholic services on August 15. The student ministry of the park during the month presented portions of Handel's Messiah for the benefit of park visitors and park residents as follows: Lake Lodge - August 17; Canyon Hotel Lounge - August 20; Yellowstone National Park Chapel - August 22 and in the Old Faithful Lodge Recreation Hall on August 23.

On August 11 Mrs. Inga Dunn gave the sum of \$75.00 for the purpose of establishing a memorial in the Yellowstone National Park Chapel in memory of her deceased husband William A. Dunn. Mrs. Dunn has indicated that a National Park Chapel record book would be a suitable memorial to acquire with this money.

Interpretive Services. In general the entire interpretive program as it was scheduled for the summer season was in effect throughout the month of August. It was necessary, however, to curb the program at some of the stations and this decrease in activities took place at the following stations at the dates indicated: Norris August 8, Fishing Bridge August 15, Old Faithful August 23, Canyon August 26 and Mammoth August 26.

All of the interpretive activities during the month were well attended by park visitors. The use of the Mammoth Hot Spring terraces guided trips was especially heavy and the individual springs on the terraces proved to be very popular as a source of interest to the park visitor. The evening talk which was presented in Gardiner during the month continued to operate satisfactorily and the last talk was given in the Eagle's Hall on August 30. The season's average attendance for this talk proved to be 50.7 persons and it is our thought that the program, although not outstanding in public reception, has been a successful venture.

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The interpretive program was terminated in its entirety at Roosevelt Lodge and Tower Fall on August 29.

The problem of the development of amphitheaters at Mammoth, West Thumb and Canyon was discussed and reviewed during the month with several different officials and groups. A long memorandum was prepared for the Regional Office on August 14 reopening the issue of the amphitheater structures to be installed in the Canyon Village area. At the month's close no conclusions were reached as to just what action will be taken on it.

On August 14 Chief Park Naturalist Condon guided a special group of 9 Girl Scouts and their leaders on a geology hike to the fossil forest area on Specimen Ridge. Dr. Erling Dorf of Princeton University and Dr. Andrew H. Brown of the National Geographic Society accompanied the group.

Museum Activities and Exhibits. The cut flower display at Fishing Bridge Museum and especially at the Mammoth Museum were very well cared for and proved to be very popular with the park visitors and it was not until August 30 that these displays had to be discontinued.

Park Naturalist Wayne Depoie during the summer has collected a large number of specimens which it is planned will be used in the Canyon Museum exhibits when they are prepared.

Research and Observation. A number of interesting Indian artifacts had been obtained during the month. Park Naturalist Condon found a portion of a spear point at Norris on August 5, on August 15 a good sized piece of a jasper knife was picked up at the spring in the Horseshoe near Little America and on August 20 about a dozen pieces including several good points were obtained on the lake shore at the end of the southeast arm near Molly Islands by Mr. Condon and others. On August 24 several worked pieces and one small bird point were obtained at the same site. On August 29 two pieces of obsidian which were portions of artifacts were turned in at the West Thumb Ranger Station by a Mr. Beaver. All of these have been added to the Yellowstone Park collections along with appropriate data on the dates found and locality where they were obtained.

The Trout Creek Dump was visited by members of the Naturalist Staff four times during the month and on each occasion grizzly bears were observed in considerable numbers. It is estimated that on August 4 that at least 40 different grizzlies were within sight at one time.

Mr. Joe Dexter who is employed as a truck driver reported seeing a Raccoon with 3 young on the Old Tower Fall road on Elk Creek. Mr. Dexter reported having seen this animal and its family more than once. An attempt was made during the month to see or locate signs of these animals and six different trips were made over this road without success in locating them.

A special trip was made to the Molly Islands and the south end of the southeast arm of the Lake on August 30. At that time about 250 young pelican were observed on the Sandy Island. Thirty young cormorants, eight

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY

REPORT OF THE COMMITTEE ON THE PROGRESS OF CHEMISTRY
IN THE UNITED STATES OF AMERICA
FOR THE YEAR 1911

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young terns and a large number of young California gulls. One young cormorant was banded with U. S. Fish and Wildlife band no. 49-03249. Members of the party who visited the Islands were: Mr. Warren West, Mr. M. Perkins, Mr. D. Moir, Mr. Wm. Bragg, Jr., Mr. Willard Larkin and Chief Park Naturalist Condon. Several bird bands were recovered from the Islands and these were reported to the Fish and Wildlife Service. One fish tag was recovered and it was reported to Dr. Oliver Lope.

Mr. George Tracy reported that on the evening of August 23 he had cross the highway in front of his automobile an immature Mountain Lion. The area where the lion was seen was the Willow Park section between Spillanias Spring and the Indian Creek Campground road.

Evidence indicated this year that most of the Picketpins had gone into hibernation by August 10 and only an occasional animal has been seen since that date.

On August 21 the Blue Spring on the main terrace which has been very active ever at the point of the glacial moraine dried up completely. It resumed flow the next day and within a week the volume of water had again increased until it was flooding approximately the same area occupied before the spring dried up. Increased activity is taking place out on the center of main terrace and near the front which may mean that during September there will be a shift in water flow from the Blue Spring to this new zone.

Natural History Association. The Yellowstone Library and Museum Association employed Mrs. Lucile Wagner as librarian, Mrs. Alice Gust as Clerk and also employed Miss Marianne Condon to work on galley proof reading and to insert the errata sheets in the Yellowstone's Barnock Indian Trails publication.

On August 2 the Superintendent received a vigorous memorandum criticizing the Association on its publication "Yellowstone's Barnock Indian Trails" by Wayne Apople. The Association was requested to take the publication off from public sales until certain corrections were made. This book was taken off sale on August 2, an errata sheet was prepared and it was returned to public sale on August 9. The Association ran off an errata sheet for over 800 copies, had this sheet placed in them and then returned to the field for sale.

The public address unit projector which was stolen from the Old Faithful amphitheater on July 7 was found in the woods near the Old Faithful spray field undamaged and has been returned to the headquarters museum in Mammoth.

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Operations

Concessioners. On eight nights during August a total of over 8,000 visitors were accommodated in the various hotels, cottages, lodges and tourist cabins in the park, as follows: 8,182 on August 6, 8,520 on August 7, 8,563 on August 8, 8,320 on August 9, 8,289 on August 14, 8,147 on August 15, 8,152 on August 21 and 8,908 on August 22. The house count of 8,563 on August 8 was the largest since the record house count of 8,587 which occurred on August 10, 1954.

The closing dates for the various operations of the Yellowstone Park Company were approved by the Superintendent on August 7, providing as follows: Roosevelt Lodge August 30, Mammoth tourist cabins and Canyon Lodge September 1, Lake Hotel and Lodge September 3, West Thumb tourist cabins, cafeteria and boat house September 4, Canyon Hotel, Old Faithful Inn dining room, Mammoth dining room, Grill and repair shop, and the bus, saddle horse and telegraph service September 6, Canyon tourist cabins, cafeteria and repair shop September 8, Old Faithful Lodge dining room September 10, Lake and Fishing Bridge boat houses September 15, Old Faithful Inn, Mammoth Hotel rooms or cottages and Old Faithful Lodge September 16, Fishing Bridge tourist cabins, cafeteria and repair shop September 29, Old Faithful Lodge bath cabins September 30, and Old Faithful tourist cabins, cafeteria, and repair shop October 15.

The Haynes Inc. Tower Fall store was robbed of \$4,030 on the night of August 11. The burglars have not been apprehended.

Dr. L. M. Baskett arrived from the Park Hospital in Livingston August 1 to handle the park medical service for three weeks, Dr. Clemons returning to Livingston. On August 26 Dr. John A. Pearson arrived from Livingston relieving Dr. Baskett.

Roosevelt Lodge closed after breakfast August 30 and Haynes Roosevelt Lodge Shop closed the same day.

Complaints. Four letters of complaint were handled during the month, as follows: (1) campground conditions in park, (2) displeasure with room at Old Faithful Inn on bus tour, (3) lack of signs in Old Faithful campground making it difficult to find exit road, and (4) conditions encountered in renting tourist cabins at Old Faithful and Fishing Bridge including lack of facilities in cabins, filthy toilets, necessity to buy manufactured logs, long waiting line and leaky tent cabin at Old Faithful, and necessity for re-registering each day, inadequate eating facilities, sale of hard liquor in park, and road conditions.

Maintenance. The very favorable weather for road work continued throughout the month, but the operation was necessarily curtailed because of shortage of maintenance funds, Park Engineer Rowe reported. The crews accomplished two miles of half sole on the West Entrance road, reprocessed 1½ miles between West Thumb and Arnica Creek and put in 1

Introduction

The purpose of this study is to investigate the effects of the proposed changes on the overall system performance. The study is divided into two main parts: a theoretical analysis and an experimental evaluation. The theoretical analysis will focus on the mathematical models and the expected outcomes, while the experimental evaluation will involve the implementation of the changes and the measurement of the resulting performance metrics.

The first part of the study, the theoretical analysis, will be conducted in three main stages. First, the current system will be modeled using a set of differential equations. Second, the proposed changes will be incorporated into the model, and the resulting equations will be solved. Finally, the results of the theoretical analysis will be compared with the expected outcomes to determine the validity of the model. The second part of the study, the experimental evaluation, will be conducted in two main stages. First, the proposed changes will be implemented in a real-world system. Second, the performance of the system will be measured using a set of metrics, and the results will be compared with the results of the theoretical analysis.

The results of the study will be presented in a series of tables and graphs. The tables will provide a summary of the key findings, while the graphs will illustrate the trends and patterns in the data. The conclusions of the study will be based on the results of the theoretical analysis and the experimental evaluation, and will provide a clear and concise summary of the findings.

The study is organized as follows: Chapter 1, Introduction; Chapter 2, Theoretical Analysis; Chapter 3, Experimental Evaluation; Chapter 4, Results and Discussion; Chapter 5, Conclusions.

The theoretical analysis is based on the following assumptions: (1) The system is linear and time-invariant. (2) The input is a step function. (3) The output is measured at discrete intervals. (4) The system is initially at rest. (5) The system is subject to random noise. (6) The system is subject to a constant load. (7) The system is subject to a constant input. (8) The system is subject to a constant output. (9) The system is subject to a constant input and output. (10) The system is subject to a constant input and output and noise.

The experimental evaluation is based on the following assumptions: (1) The system is linear and time-invariant. (2) The input is a step function. (3) The output is measured at discrete intervals. (4) The system is initially at rest. (5) The system is subject to random noise. (6) The system is subject to a constant load. (7) The system is subject to a constant input. (8) The system is subject to a constant output. (9) The system is subject to a constant input and output. (10) The system is subject to a constant input and output and noise.

mile of hot plant half-sole on the Red Lodge-Cooke road. He reports that many years of maintenance experience has proven that it is almost impossible to get a good road mix on this road because of continuous inclement and cool weather. As a result, most half-sole and reprocess jobs have not been satisfactory. Thus, it was decided to try a hot plant mix half-sole this year on a section to see if it would not give better results. The seal-coat crew also sealed an additional seven miles during the month.

The Gallatin road camp was closed on August 10 and a small crew from Madison Junction took care of maintenance on this road; the Beartooth mess was closed on August 17 and a five-man crew is still working in the area but living in trailers and Cooke; the Tower Fall camp was closed on August 24 and a small crew is working this section out of Mammoth; the South Entrance camp was closed on August 30 with a minimum size crew working this section out of West Thumb; the seal coat crew was closed down around the middle of the month and switched over to a construction project and the crusher crew also was switched over to construction about the same time. The guard rail crew ceased operation on August 24 and is also being utilized on construction. There was no overtime work during the month on the road crews. All these changes in operation were brought about in an effort to make the crews fit the money now available for road maintenance.

The crew of carpenters and painters continued the refurbishing of the exterior of Mammoth Barracks Building No. 36. The painters have also started work on the exterior of the Mammoth Powerhouse, Building No. 56. Routine maintenance has consumed a major share of the other work accomplished by the buildings and utilities maintenance crews. The sanitation crews have started draining and closing up numerous comfort stations and other government buildings. The Gallatin and Beartooth road camps and the West Entrance Information Station have been closed for the winter. Rebricking was completed on two boilers in the Mammoth heating plants and all boiler rooms were repainted and thoroughly cleaned.

Protection and Ranger Service. Ranger activities during the month included the annual park census on August 7, 9 and 12, moving of household goods of some ranger personnel, suppression of nine forest fires, attendance at wildlife meetings, as well as all routine duties in the field and office increased due to the extra heavy travel. Chief Ranger Brown took annual leave August 23 to attend the Sheriffs and Peace Officers Association meeting at Bozeman, Montana.

Law Enforcement. On August 12 the Tower Fall Haynes Store was entered and over \$4,000 was taken from the safe. An investigation was made by FBI Special Agent Bob Hedden assisted by Assistant Chief Ranger Garry and District Park Ranger Bauman.

Federal Bureau of Investigation Special Agent Mason Melvin made several investigations of reported offenses in the park during the month.

Fifty-three court cases were presented before the United States Commissioner on the following charges: 33 traffic violations, total \$497 in fines; 8 fishing violations, \$130 fines; 1 larceny over \$50, to District Court; 2 larceny under \$50, \$50 fines and 10 days imprisonment; 4 assault and disorderly conduct, \$45 and 10 days; 3 illegal fires, \$30; 1 illegal firearms, \$10; and 1 unauthorized guide service, \$25, a total of \$787 and 20 days imprisonment. In addition, there were 2 rape cases, 8 burglary, 11 larceny over \$50, 18 larceny under \$50 and 1 destruction of government property not cleared by arrest. Ten men and two women were committed to the Mammoth jail during the month either pending investigation or serving sentences.

Wildlife and Fish Cultural Activities. BEARS. A total of 73 persons have been reported injured by bears so far this season. At the same time last year 65 injuries were reported. Seventy-six reports of property damaged by bear have been reported to date. This compares to 81 for the same period last year. Authorizations have been granted for the destruction of two dangerous bears during the month. This brings the total of dangerous bears destroyed to eight for the summer. One bear was killed during the month by being run over by an automobile, bringing the number of bear lost to traffic accident to four for the season.

Twenty-two grizzlies were observed in the Rabbit Creek dump near Old Faithful and between 20 and 30 were observed at the Trout Creek dump at Canyon. Three mature grizzlies were seen on Quadrant Mountain on the 11th.

Two mature grizzlies were observed by Biologist Kittams on the high slopes above Amethyst Creek on August 4. They were digging and eating tubers of yampa and permitted approach within 100 yards of them before scenting the men and running off.

MOOSE. Two bull moose at Alum Creek were the source of great interest and caused traffic jams almost daily. This also occurs in the vicinity of Pelican Creek and along the Yellowstone River. Ten were observed during the month at Snake River. Lamar District reports a further increase of moose at Pebble Creek and toward Cooke.

ELK. Small numbers of elk are moving to lower elevations. Bugling was noted as early as the 25th. Park visitors are showing an avid interest in observing and photographing elk at numerous places where they can be seen from the highway.

William Reaveley, Western Field Representative of the National Wildlife Federation, was in the park on August 2 and discussed elk management with the Superintendent, Chief Ranger and Biologist. He advised a continuing program of informing sportsmen's clubs of reduction plans and operations to assure adequate public support for elk reduction in the park.

The Upper Gallatin Conservation Committee held a three-day meeting August 17, 18 and 19 to consider the management for the Gallatin elk herd, inside and outside the northwest corner of the park. Two days were devoted to riding the upper summer range within the park on horseback, going up the Gallatin River, over Bighorn Pass and down Panther Creek to Indian Creek Campground where they spent the night, riding the following day up Fawn Creek and down Pan Creek to the Gallatin River. This was to acquaint Committee members with the Gallatin Mountain Range where portions of the Gallatin and northern Yellowstone elk herds spend the summer. Biologist Kittams accompanied the group both days and Assistant Chief Ranger Edwards on the 17th. At the business meeting the third day at Cinnamon Creek Forest Ranger Station which was attended by Mr. Kittams and District Ranger Gunzel from West Yellowstone, the Montana Fish and Game Department proposed a plan, supported by the Forest Service and National Park Service, to harvest sufficient elk from that herd so that only 1,000 head would be left. The Park Service representatives announced its plan to haze and kill elk in the park to reduce late-winter grazing pressure and the Committee seemed agreeable to this, especially since elk hazed out of the park might be available to hunters. The Committee recommended to the Montana Fish and Game Commission that 1,000 elk be retained in the herd after hunter harvest and Park Service reduction.

Another meeting at Cinnamon Ranger Station concerning the Gallatin elk herd was called by the Montana Wildlife Federation for August 25 and 26. Yellowstone personnel attending were Messrs. Edwards, Kittams, Gunzel and Supervisory Park Ranger Budge of West Yellowstone District. Representatives of wildlife clubs from all sections of Montana were present. Information on the problem and plans for elk control were given by the Montana Fish and Game Department, Forest Service and Park Service. Mr. Ralph Shipley, Chairman of the Fish and Game Commission, said the Commission is opposed to feeding big game and believes in game harvests sufficient to assure habitat preservation. Federation members indicated willingness to seek support of Montana sportsmen's clubs for a large reduction of the Gallatin elk herd.

SWAN CENSUS. Trumpeter swans were counted by Biologist Kittams while flying with Pilot Biologist Raymond Glahn in a Fish and Wildlife Service plane on August 30 and 31. Birds observed were 57, 48 adults and 9 cygnets, in Yellowstone, 16 in Grand Teton and 39 on National Forests near the two parks. The count for Yellowstone is the lowest since complete aerial counts were begun in 1948. According to the pilot, counts on Red Rock Lakes Refuge and surrounding areas were unusually low this year.

SANDHILL CRANE. Thirty-four sandhill cranes were observed in the Bechler River area, 17 of these in one group in the southwest corner of the meadows.

FISH. On August 18, a total of 5,040 cutthroat fry were planted in Blacktail Lake.

Assistance was given Dr. Pepper and Mr. Hastings of Montana State College in collecting insects from Hellroaring, Tower, Pebble and Carnelian Creeks and the Yellowstone River for the continuing study of insect populations after the 1955 spraying with DDT to control spruce budworm.

Biologist Kittans assisted Richard Laursen of the Fish and Wildlife Service test a 110 volt DC generator to shock fish in Trout Creek and the Yellowstone River. The next day these men and Seasonal Park Ranger Donald Payne took the shocker to Hellroaring Creek. No fish were found in a 200-foot section of the stream a mile above the patrol cabin; about 10, mostly suckers, were observed in a similar section near the cabin; and about 10 fish, at least one of which was a trout, were drawn close to the electrode. Fishermen's reports indicate at least a few cutthroat trout are left near the footbridge and rainbows are rather abundant about three or four miles below, near the mouth of Hellroaring Creek. Dr. Cope of the Fish and Wildlife Service advised waiting until early next summer to see if there is need for planting cutthroat trout in the stream.

Range. Temperatures were slightly below average during August with a killing frost at low elevations on the last day. Precipitation of 1.18 inches at Mammoth, the same as the long-time normal for that station, fell mostly on August 18 with 0.28 inch and 30 with 0.55 inch. Soil moisture was generally below normal on the northern winter ranges, resulting in early maturing of vegetation on non-critical range, Mr. Kittans observed.

On August 4, Forest Service Range Conservationist Ralph Fierisch assisted the Biologist establish a cluster of two transects for range trend studies on Specimen Ridge.

All pictures of range plots in fall 1955 were compared to those of fall 1950 for trend and to those of spring 1956 for guides to over-winter utilization. A few new pictures of plots were made in August.

In a reconnaissance of year-round range for elk near Cougar Creek Patrol Cabin and YW Butte, it was found that willows are mostly dead and grass in the Cougar Creek bottoms, on south slopes and on windswept knolls has suffered from heavy use, probably mostly in winter.

Forest Fire Protection. Nine forest fires were suppressed during August. Six of these were Class A, two were Class B, and one was Class C in size. Six were caused by lightning, two by campers and one was due to accidental ignition of the burnable dump near Old Faithful. It was necessary to set up fire accounts for three non-statistical fires which were reported, searched for, and not found.

The Surprise Creek fire which totaled 196 acres occurred in a very inaccessible area south of Flat Top Mountain on the headwaters of Surprise Creek. A 100-man camp was dropped into the area, and nearly

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all of the subsequent servicing was done by air. Men were transported by boat to the South Arm of the Lake to a base camp located on the shore, then hiked cross country four miles. The Government pack string got into the area via the Heart Lake Trail and cross country up the Beaver Creek drainage which proved to be a hard trip, but no better route could be found by the Heart Lake Fire Control Aid who scouted several possible routes.

Forester Barrows made aerial detection flight in company with Chief Forester Cook and a smokejumper at Yellowstone on August 13. He stated that during the middle of August there were frequent lightning storms which caused occasional fires but that as weather and fuel moisture conditions were not critical, no large number of fires occurred at any time. Starting August 26 burning indexes began to fall and on August 30 rain with snow in the higher mountains reduced the readings to the low bracket.

Blister Rust Control. Foresters John C. Gynn and Clarence M. Chapman returned to Missoula on August 2. Mr. Gynn was in the park August 13 to 22 and Mr. Chapman from August 19 to 22. Their time was spent in aiding the blister rust control program.

Warren V. Benedict, Chief of Blister Rust Control for the U. S. Forest Service, was in the park August 4 and conferred with Assistant Chief Ranger Edwards on blister rust control matters. Mr. Benedict had planned to review our complete program but his visit was cut short by urgent business in Washington.

The entire blister rust crew was called to the Surprise Creek fire on August 7 and complete operations were not resumed until the 17th. Even with the interruption of the work by the fire a good season's work has been accomplished.

On August 14 the proposed blister rust program in Region Two was reviewed by Chief Forester Cook, Messrs. Gynn, Edwards and Barrows, and in view of the need for additional funds, Mr. Cook indicated there was a good possibility that Indian Service and O&C land allotments might be reduced to handle the situation. Mr. Cook inspected the Mt. Washburn and Canyon blister rust control areas on that date. The proposed Fishing Bridge blister rust control unit was recommended at Yellowstone after inspection by an interested staff member.

Forest Insects. Philip Johnson, Leader, Missoula Forest Insect Laboratory, made an inspection of the Lodgepole Sawfly infestation in the Bechler area on August 16 and on the 17th and 18th inspected the budworm infested area in the northern part of the park. He also made a trip into the Mt. Washburn and Canyon areas. Samples of insects collected were returned to Missoula for further study. It is suspected a virus is controlling this insect.

All of the information which is contained in this report was obtained from the files of the State Department and is being furnished to you for your information. The information contained in this report is confidential and should be treated as such. It is not to be disseminated outside the Department without the express approval of the Director.

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Philip Johnson examined the black-headed budworm infestation on alpine fir in the Bechler section at Yellowstone and found a Polyhedral virus was killing practically all the larvae.

Arrangements were made by Mr. Barrows with Mr. Johnson to conduct aerial insect surveys at Glacier, Yellowstone and Grand Teton.

Forest Clearing. The contemplated clearing at Grant Bay near West Thumb was shown by Forester Barrows to Henry Smith, a logger operating near Togwotee Pass, on August 3 and he is interested in clearing for the timber. A disposal notice and agreement to cover the clearing project patterned after the procedure used at Olympic National Park has been drafted and is being studied by the park staff. The timber type on 174 acres planned for clearing has been mapped with Aubrey Haines assistance and a portion of the area was cruised. Mr. Cook inspected the area while he was in Yellowstone.

Ranch and Corral Operations. Packer John Card was assigned to the Surprise Creek Fire August 7 to 19 inclusive.

Haying operation at Lamar Unit was continued throughout the month and will continue into September.

Design and Construction

Plans, Maps and Surveys. H. F. Maloney, Division Bridge Engineer, of the Denver Bureau of Public Roads office, and C. W. Hunt, Area Engineer, also of the Bureau of Public Roads, Jackson, Wyoming, were in the park August 28 and 29 making bridge inspections of the Lewis River bridge on the South Entrance road and the Yellowstone River bridge at Tower Fall. These inspections were requested by the park because of the apparent poor condition of these bridges. A report on the condition of these bridges should be forthcoming from the Denver Bureau of Public Roads office within a short time.

G. B. Welsh, Senior Assistant Sanitary Engineer, U. S. Public Health Service, Denver, and Curtis E. Richay, Sanitary Engineer, U. S. Public Health Service, San Francisco, were in the park from August 23 to 26 on sanitation matters.

P. E. Smith, Supervising Engineer, and Cecil J. Doty, Architect Western Office, Division of Design and Construction, arrived August 19 and 18, respectively, and were here through August 21 to look over the various projects now under construction and also discuss those that are proposed.

Barnes MacDonald, Highway Engineer, Region Two, was in the park from August 25 through 30 to go over park maintenance programming and problems with park staff.

New Construction. Cop Construction Company of Billings, Montana, started work August 7 on the Construction of Reservoir No. 2 in the Canyon Area, Contract No. 14-10-243-234, Account 332.25. The project is 15% complete. The ending date of contract is December 4, 1956; however, work may be closed down due to adverse weather and resumed in the spring.

On August 10 the bid of Goodwin Builders of Idaho Falls, Idaho, was accepted in amount of \$122,411 for the Construction of Ten Comfort Stations, Fishing Bridge Campground, and Contract No. 14-10-243-238 was awarded. August 22 was the first day of the contract and the project, under Account No. 331.17, was 7% completed at the end of the month. The contract expires January 18, 1957.

August 11 was recorded as the first calendar date for Landon Construction Company of Casper, Wyoming, on Contract 14-10-243-232, Construction of Cabin Area Water and Sewer Systems, Lake Lodge Area, Account No. 332.24, to be completed December 8, 1956. The project is 5% done.

Superintendent Rogers accepted bid August 15 of the Studer Construction Company of Billings for \$53,450 for Grading and Drainage of Roads and Construction of Water and Sewer Systems, Canyon Employees Trailer Court and Government Area. Contract No. 14-10-243-239 was issued and work was begun August 30, with November 27, 1956, the final contract date. Both the road section, Account No. 523.7, and the water and sewer section, Account 332.26, were 5% complete.

CONFIDENTIAL

1. The first part of the report deals with the general situation of the country and the progress of the revolution. It is a very interesting and detailed account of the events that have taken place since the beginning of the year. The author has done a great deal of research and has gathered a wealth of material which he has used to give us a clear and concise picture of the situation.

2. The second part of the report deals with the military situation. It is a very detailed account of the military operations that have taken place since the beginning of the year. The author has done a great deal of research and has gathered a wealth of material which he has used to give us a clear and concise picture of the military situation.

3. The third part of the report deals with the political situation. It is a very detailed account of the political events that have taken place since the beginning of the year. The author has done a great deal of research and has gathered a wealth of material which he has used to give us a clear and concise picture of the political situation.

4. The fourth part of the report deals with the economic situation. It is a very detailed account of the economic events that have taken place since the beginning of the year. The author has done a great deal of research and has gathered a wealth of material which he has used to give us a clear and concise picture of the economic situation.

5. The fifth part of the report deals with the social situation. It is a very detailed account of the social events that have taken place since the beginning of the year. The author has done a great deal of research and has gathered a wealth of material which he has used to give us a clear and concise picture of the social situation.

6. The sixth part of the report deals with the cultural situation. It is a very detailed account of the cultural events that have taken place since the beginning of the year. The author has done a great deal of research and has gathered a wealth of material which he has used to give us a clear and concise picture of the cultural situation.

7. The seventh part of the report deals with the international situation. It is a very detailed account of the international events that have taken place since the beginning of the year. The author has done a great deal of research and has gathered a wealth of material which he has used to give us a clear and concise picture of the international situation.

8. The eighth part of the report deals with the future of the country. It is a very detailed account of the future of the country and the progress of the revolution. The author has done a great deal of research and has gathered a wealth of material which he has used to give us a clear and concise picture of the future of the country.

J. Paul Shields of Livingston started work August 21 on Contract No. 14-10-243-233 for Construction of Electrical Distribution System, Canyon Area, the contract to expire at the close of December 18, 1956. This project, Account 332.19, was 5% done at the end of the month with the clearing completed.

Work was 90% complete on Contract No. 14-10-243-200, the Construction of Water and Sewer Systems at Fishing Bridge Campground, Account 332.20, with Studer Construction Company, Contractor, which project was begun June 16, 1956.

On Account 523.3, Grading and Drainage of Roads, Parking Areas and Walks, Canyon Cabin Area, under Contract No. 14-10-243-186, with Studer Construction Company, which project was started August 28, 1955, work is 85% completed.

On Contract No. 14-10-243-191 with Inland Construction Company of Miles City, Montana, Account 332.21, which was started September 8, 1955, work was 70% done at the end of the month.

On Bureau of Public Roads Contract 14-10-0100-560, Construction of Guard Rail and Fishing Bridge Repairs, Account 521.2, Charles M. Smith, General Contractor, Thermopolis, Wyoming, is 20% done.

Long Construction Company, of Billings, was the successful bidder at the opening of bids in the Bureau of Public Roads office in Denver on August 15 on major road projects P1-F1, F2, L0-4 and L2A, bituminous surfacing and parking areas, Grand Loop Highway, Norris-Canyon Cutoff Road and Canyon Village Parking Area. These jobs include the section of road from two miles north of Lake Junction to Chittenden Bridge, the parking area in the commercial area at Canyon Village, and the four miles of new road from Canyon Junction toward Norris, a total of 15.354 miles. The bid of \$553,132 has been recommended for acceptance.

The Western Office, Division of Design and Construction, has asked for bids, to be opened in the Superintendent's Office here on September 20, for the construction of a visitor center building, three employees apartment buildings, an employees dormitory, utility building, district ranger's residence, camp manager's residence, wash house, horse barn, related utilities and liquified petroleum gas system, all to be constructed in the new Canyon Village area except one employees apartment building at Lake.

Park Engineer Rowe reports the park received its 1957 fiscal year construction money in the first week in August and is proceeding on most of the projects but that this late date in receiving construction money has led to a number of complications and will mean many of the projects will run over into the next fiscal year.

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Projects under construction by National Park Service crews included Account 323.3, Observation Platform, Inspiration Point, 100% complete; Account 523.1, Roads, Campsites, Barriers, Route 152, Fishing Bridge Campground, Grade and Surface 2,148 feet Drive and 8,073 Feet of Camp Loop Road, project 30% done and work still being held up pending completion of water and sewer systems now under construction; Account 523.2, Lake Lodge Area Roads, Route 151, Grade and Surface 2.75 miles, still 41% complete as work still held up pending completion of water and sewer systems under contract; Account 523.4, Trail, Canyon Village to Hotel and Canyon Rim, work started August 6 and is 25% complete with grading completed on trail from Village to Rim and project progressing quite well; Account 523.6, Trail to Lower Falls from North Rim, Canyon, work started on the grading of this trail on August 6 and rough grading is about 35% complete, the grading involving considerable log and rock revetments and cribbing but progressing quite well, and project is 10% done; Account 332.22, Water, Sewer, Power, Employees' Trailer Court, Lake, work started August 6 and progressing quite well but certain phases being held up temporarily due to inability to get immediate pipe delivery, job 50% complete; Account 332.23, Water System Extension, Government Area, Lake, 15% done, work being held up pending delivery of cast iron fittings and pipe, ditches having been dug, and work expected to proceed rapidly upon delivery of materials; Account 333.3, Campground Facilities, Tables, Fireplaces, etc., Fishing Bridge, 76% complete; Account 333.4, Campground Facilities, Tables, Fireplaces, etc., Canyon, 86% complete; and Account 333.9, Campfire Circles, Mammoth and West Thumb, just started and 5% done.

Hamilton Stores, Inc. Dormitories at Canyon were closed in and 45% complete and their Canyon Store was 25% done with outside walls in place.

The Yellowstone Park Service Stations' new station at Canyon under contract with Harvey W. Eckman of Midvale Utah, was 30% complete with walls and roof frame in place.

Yellowstone Park Company construction included their Tourist Cabin Office and Dormitory, Public Baths and Laundry at Old Faithful, which building was closed in and 45% complete; Canyon Village Cabins, 500 cabin rooms, 25% done with 180 rooms complete; Canyon Lodge, 15% complete with footing and walls in place; Canyon Dormitories, closed in and 25% complete.

Utilities. A meeting was held August 17 between officials of the Yellowstone Park Company and the National Park Service concerning possible outside electrical power sources. Those in attendance were Huntley Child, Jr. and John Q. Nichols, Vice-Presidents of the Yellowstone Park Company; Hugh D. Calusha, Jr., Auditor for the Company; Samuel Hoover, Supervisor, Electrical and Electronics, Washington Office; Superintendent Rogers and Assistant Superintendent Hamilton, and the meeting was held in Mr. Child's office. The purpose was to discuss in general terms a

proposal made by the Montana Power Company under date of July 31 with two subsequent revisions dated August 8, 1956. It is expected by September 15, 1956, a decision, at least on a tentative basis, will be made at the Washington level as to whether or not private power shall be purchased or a new central government generating plant constructed and by May 1, 1958, the program of installation be completed. As the major concessioner customer, the Yellowstone Park Company will receive a copy of the completed study by Mr. Hoover and before any final commitment is made with the Montana Power Company, the Yellowstone Park Company will have the right to review the proposed contract. In event the Montana Power Company proposal is not finally accepted, negotiations will be continued with the Falls River Rural Electric Cooperative of Idaho.

Two representatives from Land-Air Incorporated, R. E. Nelson and K. T. Evans, were in the park several days from August 13 studying requirements and experimenting on radio communication prior to submitting bid on Engineering, Furnishing and/or Installing FM Radio Equipment in the park, opening for which is scheduled for September 6. Representatives of the Mountain States Telephone and Telegraph Company Radio Division also made surveys in the park preparatory to making bid on the radio project.

Edmund S. Rogers
Superintendent

Forms 10-24 and 10-771 attached

In triplicate

Copy to Region Two w/c Forms

Files (2) ✓

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BUREAU OF PUBLIC ROADS ROAD PROJECTS

REPORT FOR August, 1956
 Month Year

FORM 10-24

REGION 10

Prepared by the Planning and Construction Division

AREA, PROJECT TITLE, AND YEAR PROGRAMMED	P C P NO.	AMOUNT PROGRAMMED PROGRAM APPROVED	CONTRACT EXECUTED		% COMPLETE	REMARKS
			WORK	STARTED		
<p>YELLOWSTONE NATIONAL PARK</p> <p>521.2 and 521.2 Guard Rail Construction</p> <p>521.3 Bituminous Surfacing and Parking Areas, 1-F1, F2, 1-C4, and Morris-Canyon Cutoff, Sec. 12-A</p>	<p>R-22-9 R-168-1 R-210</p>		<p>116,750.00</p> <p>553,132.00</p>	<p>20%</p>	<p>C</p> <p>Low Bidder: Long Construction Company, of Billings, Montana. Bids opened August 15, 1956.</p>	

REGION Two

~~BUILDINGS AND UTILITIES~~

* NPS ROADS AND TRAILS
Prepared by the Design and Construction Division

REPORT FOR August, 1956
Month Year

AREA, PROJECT TITLE, LOCATION WITHIN AREA, AND ACCOUNT NUMBER	P.C.P. NO.	WORKING DRAWING STATUS	AMOUNT ALLOTTED DATE OF FIRST ALLOTMENT	% COMPLETE	REMARKS
YELLOWSTONE NATIONAL PARK					
523.3 Observation Platform, Inspiration Point	R-115-2	YSL-2395	19,079.91 8/13/53	100%	
523.1 Roads, Campsites, Barriers; Route 152, Fishing Bridge Campground. Grado and Surface 2 1/8 feet Drive and 8073 feet of Camp Loop Road (por.)	R-26-1		136,000.00	30%	DL Work resumed, but still partially held up pending completion of water and sewer contract.
523.2 Lake Lodge Area Roads, Route 151: Grado and Surface 2.75 miles	R-149-2 (por.)	YSL-2576	76,400.00 8/55	41%	DL Situation same as previous month report.
523.3 Grading and Drainage of Roads, Parking Areas and Walks; Canyon Cabin Area	R-31	YSL-2578-A	176,320.00	85%	C
523.4 Trail, Canyon Village to Hotel and Canyon Rim	R-171	YSL-2285	25,920.00	25%	DL Work started Aug. 6. Grading of trail, Village to Rim, completed.
523.5 Walks, Thermal Areas	R-164-1	YSL-5657	10,000.00	0%	DL
523.6 Trail to Lower Falls from North Rim, Canyon	R-162	YSL-2257	20,000.00	10%	DL Work started Aug. 6. Rough Grading about 35% complete.
523.7 Grading and Drainage of Roads, Employees' Trailer Court and Government	R-169	YSL-3409	11,638.00 8/17/56	5%	C AA 3-362 8/17/56. Contract awarded to Studer Construction Co., of Billings, Montana.



* BUILDINGS AND UTILITIES

~~NPS~~ ROADS AND TRAILS

Prepared by the Design and Construction Division

REGION Two

AREA, PROJECT TITLE, LOCATION WITHIN AREA, AND ACCOUNT NUMBER	P C P NO.	WORKING DRAWING STATUS	AMOUNT ALLOTTED DATE OF FIRST ALLOTMENT	% COMPLETE	REMARKS
YELLOWSTONE NATIONAL PARK					
331.17 Comfort Stations, Fishing Bridge Campground	B-52-3 (por.) B-231-1	YEL-2126-B YEL-3429	122,411.00 8/10/56	7% C	Awarded to Goodwin Buildings, Idaho Falls, Idaho
332.19 Main Electric System, Canyon	U-10-7	YEL-3418 YEL-3419	30,000.00	5% C	J. Paul Shields, Livingston, Montana, Contractor. AA 43-4 8/14/56 - \$64,000. Clearing done.
332.20 Utilities, Water, Power and Sewer Extensions, Campground, Fishing Bridge	U-27-2	YEL-2524-A	9/14/55 76,360.00	90% C	AA 43-4 8/14/56 \$16,300
332.21 Utilities, Main Sewer System, Canyon, and Water Supply System, Canyon Hotel	U-44-8 U-45-8 (por.)	YEL-3405	362,026.00 9/14/55	70% C	
332.22 Water, Sewer, Power, Dr-ployees' Trailer Court, Lake	U-170	YEL-2288	\$8,500.00	50% DL	Work started Aug. 6. Certain phases of project being held up temporarily account of delayed pipe delivery.
332.23 Water Extension, Government Area, Lake	U-24	YEL-2288	17,000.00	15% DL	Same situation as a/c 332.22.
332.24 Cabin Area Water and Sewer Systems at Lodge Area, Lake	U-117-3 U-118-3	YEL-3420	8/1956 79,972.00	5% C	London Construction Co., Casper, Wyo. 7/20/56, Contractor.
332.25 Reservoir No. 2, Canyon	U-43-8	YEL-3416	7/1956 112,870.00	15% C	Cop Construction Corp., Billings, Mont., 7/27/56, Contractor.
332.26 Water and Sewer Systems, Employees' Trailer Court and Government Area, Canyon	U-176-1	YEL-3417	8/1956 41,920.00	5% C	Studer Construction Co., Billings, Montana, Contractor.



* BUILDINGS AND UTILITIES

REPORT FOR August, 1956
Month Year

~~ROADS AND TRAILS~~
Prepared by the Design and Construction Division

REGION Two

AREA, PROJECT TITLE, LOCATION WITHIN AREA, AND ACCOUNT NUMBER	P C P NO.	WORKING DRAWING STATUS	AMOUNT ALLOTTED DATE OF FIRST ALLOTMENT	% COMPLETE	RE MARK S
YELLOWSTONE NATIONAL PARK					
333.3 Campground Facilities, Tables, Fireplaces, etc., Fishing Bridge	M-61-1	YEM-3316	9/27/54 29,436.03	76%	DL AA 43-6 -0563.17.
333.4 Campground Facilities, Tables, Fireplaces, etc., Canyon	M-5-3	YEM-2395	23,615.00 9/27/54	86%	DL
333.5 Grading and Planting, Camp- ground, Fishing Bridge	M-37	YEM-2284	89,500.00		
333.6 Fencing Water Supply, Lake- Fishing Bridge	M-52-1		11,730.00		
333.7 Tables and Fireplaces, Camp- ground, Fishing Bridge	M-61-2	YEM-2573	8,500.00		
333.8 Amphitheater, Canyon	M-43	YEM-2199	54,400.00		
333.9 Campfire Circles, Mammoth and West Thumb	M-42-3 M-75-2		17,000	5%	DL Just started.



* BUILDINGS AND UTILITIES

* ~~NPS~~ ROADS AND TRAILS

Prepared by the Design and Construction Division

REPORT FOR August, 1956
Month Year

CONCESSIONERS' projects

REGION Two

AREA, PROJECT TITLE, LOCATION WITHIN AREA, AND ACCOUNT NUMBER	PCP NO.	WORKING DRAWING STATUS	AMOUNT ALLOTTED DATE OF FIRST ALLOTMENT	% COMPLETE	REMARKS
Yellowstone National Park					
YELLOWSTONE PARK COMPANY					
Tourist Cabin Office and Dormitory		YEL-0436		45%	Building closed in.
Public bath and laundry, Old Faithful		W.D., final clearance 6/29/54		25%	180 rooms.
Canyon Village Cabins--500 cabin rooms		YEL-0405 7/31		15%	Roofing and walls in place.
Lodge, Canyon		YEL-0487 7/31		25%	Closed in.
Dormitories					
HAMILTON STORES, INC.					
Dormitories, Canyon		YEL-0490 7/31		45%	Closed in.
Store, Canyon		YEL-0448 7/31		25%	Outside walls in place.
YELLOWSTONE SERVICE STATIONS					
Service Station, Canyon		YEL-0489 7/29		30%	Walls and roof framing in place.





