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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE

Yellowstone NATIONAL PARK

FILE NO. 207-02.3

<input checked="" type="checkbox"/>	ROGERS	
<input checked="" type="checkbox"/>	JOHNSTON	79
<input checked="" type="checkbox"/>	JOFFE	JH
<input checked="" type="checkbox"/>	ANDERSON	JH
	KURTZ	
<input checked="" type="checkbox"/>	<del>Keller</del>	WR
<input checked="" type="checkbox"/>	<del>Shannon</del>	JM
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<input checked="" type="checkbox"/>	<del>McNair</del>	
	ELLIOTT	
	EVANS	
	CHAPMAN	
<input checked="" type="checkbox"/>	SKENNER	S
	WOLBRANDT	
	ROBINSON	

SUPERINTENDENT'S MONTHLY REPORT

JULY 1948

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NEWTON B. DRURY,  
Director.



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

OFFICE OF THE SUPERINTENDENT

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

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MAINTENANCE:

Most roads in fair shape. Much patching and corduroy graded. 3 miles east entrance reprocessed and 1 mile Gallatin reprocessed and sealed. 5 bridges Firehole Loop redecked. 2000 feet guide post with reflector buttons installed. Canyon cutoff and south approach rough and dusty but being maintained. Oiling crew moving to south approach road. Some small trees removed along road shoulders. Two geysers which broke out in road capped and steam-vented aside. 66 trees blown across roads removed. Red Lodge road fair shape; some stabilizing, rip-rapping and rock-retaining wall work done; two snowstorms, one temporarily closed road. 12 road crews working, and special crew on guard rail and bridge repairs and crew on trail repair. Work on view platforms and wooden stairs at Canyon.

3

Two new Galion graders received; three old ones needing repair. 2 road crews called for fire duty for short time.

4

NEW CONSTRUCTION:

Award recommended Peter Kiewit Sons' Co. for chip seal coating 38 miles Mammoth to O.F. Cost over engineers' estimate will leave park short on maintenance and necessitate closing some camps early. Contractor McLaughlin making good progress south approach road. New bids to be opened on Project 1-F3, G4 (Canyon). Mammoth residences Projects 431 and 432 being completed. Prefabricated wooden walks being installed at O. F.

4

CONCESSIONERS:

Rates approved for Pryor Stores and for Yellowstone Park Company bars.

4

INTERPRETIVE SERVICES:

Chief Park Naturalist gave special talks with motion pictures at Mammoth, F. B. and O. F. Junior Nature Program proving popular.

4

MUSEUM ACTIVITIES AND EXHIBITS:

All 5 museums open long hours and well attended. O.F. amphitheatre completed and used to capacity. Wiring work done in amphitheatres at O.F. and F.B. Plate glass received for museum cases.

5

RESEARCH AND OBSERVATIONS:

John McMillan, Research Collaborator, continued work on moose. Trips to Specimen Ridge and Monument Geyser Basin. Wayne Replogle continued research work on Bannock Trail. Observations of Richardson grouse family, swan and lost fawn. Steam vent in road at Norris.

5

Steam vent in highway near Nymph Lake. Changes in activity of Mammoth Hot Springs. Fire found in sulphur bed near Mammoth. Emerald spring erupted and Rainbow Pool active. Wild flower display outstanding.

6



<u>NATURAL HISTORY ASSOCIATION:</u>	Mrs. Frank Wagner, librarian, on duty all month. Two new books added to sales publications list: "Bugs, Birds and Blizzards" by Harlow Mills and "Yellowstone - It's Underworld" by Dr. C. Max Bauer.	6
<u>INCREASE OR DECREASE IN TRAVEL:</u>	Increase of 3.5% for July and of 4.1% for season to date, over previous year.	7
<u>VISITORS:</u>	Special visitors included Prof. Tracy I. Storer, Alfred A. Knopf and Mrs. Knopf, Riley R. Zumwalt, Douglas W. Hartman, Congressman Norris Poulson, Congressman Franck R. Havenner, Harry B. Hommon, two groups of Outdoor Editors sponsored by the Pacific Northwest Tourist Ass'n, Vincent J. Schaefer, Governor Lester C. Hunt, Senator Glen H. Taylor, Congressman Wesley A. D'Ewart, Congressman Lowell Stockman, Kulus Klein, Commodore F. K. Kjolsen, Ursula A. Gross, Fred Hand, Rabbi I. Edward Kiev, Governor Val Peterson, Major General Lewis A. Pick, Major General Albert E. Brown, James G. Rogers,	7
<u>RANGER SERVICE:</u>	Regular protection duties increased with travel. Trail and telephone line work. 32 seasonal rangers entered on duty July 1. 3 permanent rangers assigned to Isle Royale fire.	7
<u>LAW ENFORCEMENT:</u>	26 cases tried before U. S. Commissioner.	7
<u>WILDLIFE AND FISH CULTURAL ACTIVITIES: BEARS:</u>	4 injuries and 3 property damages by black bears. 2 killed. First-year cubs not numerous. Unusual depre-dations and injuries by grizzlies at Old Faithful; 7 injuries and 6 damages. 3 killed and no further trouble.	8
<u>BUFFALOES:</u>	Few seen. Some herded from Lamar to prevent interfe-rence with haying operations. Have broken hay bales.	8
<u>COYOTES:</u>	Two ear-tagged coyotes seen; unable to collect.	8
<u>GROUND SQUIRRELS:</u>	205 killed in Mammoth area.	8
<u>TRUMPETER SWANS:</u>	No general observations but 10 cygnets seen.	8
<u>FISH CULTURE AND FISH PLANTING:</u>	Collection of blackspotted trout eggs by F&WL Service slow with small number eggs taken. Much fish planting completed but will not be done until late September or early October.	9
<u>FOREST FIRE PROTECTION:</u>	15 forest fires reported during month. Pre-suppression crew completed maintenance work telephone lines to Snake River and Mt. Sheridan lookouts and trails same areas. Horseback trail work Mammoth district.	9
<u>TRAILS:</u>	Pack string taken to pasture, packer services termi-nated and trail crew disbanded to individual districts.	9



	<u>Page</u>
<u>WHITE PINE BLISTER RUST CONTROL:</u>	<p>Work behind schedule due to large turnover of employees and mop-up at Mammoth larger than expected. Crew moved from Mammoth to Mt. Washburn on 16th. John Gynn and Clarence Chapman technical assistance.</p> <p style="text-align: right;">9</p>
<u>FOREST INSECTS:</u>	<p>James C. Evenden, Coeur d' Alene, Idaho, inspected. Determined extent bark beetle damage Mt. Washburn area, indicated normal endemic condition.</p> <p style="text-align: right;">9</p>
<u>BUILDING FIRE PRO- TECTION:</u>	<p>Fire hazard inspections completed in concessioners' buildings. Many improvements accomplished. Sprinkler systems at Canyon Hotel and Old Faithful Inn completed and contract for system at Mammoth Hotel. Preparation of individual fire hazard inspection reports interrupted by Isle Royale fire.</p> <p style="text-align: right;">10</p>
<u>ACCIDENTS:</u>	<p>49 automobile accidents during month, 1 resulting in serious injuries. 2 NPS employees rescued girl from Gardiner River.</p> <p style="text-align: right;">10</p>
<u>PERSONNEL:</u>	<p>Loren L. Gale on duty as Statistical Clerk, CAF-3. James L. Collins appointed Clerk-Stenographer, CAF-4. All employees worked July 5 holiday. Chief Ranger LaNoue made trip to Rocky Mountain in connection with proposed promotion to Assistant Superintendent of that area. Frank T. Hirst promoted to District Park Ranger, CPC-9.</p> <p style="text-align: right;">10</p>
<u>DEATHS:</u>	<p>Scott Thompson, Y. P. Co. employee, died. Mrs. Mary R. Klammer, early-day Yellowstone resident, died in San Diego, California.</p> <p style="text-align: right;">10</p>
<u>BIRTHS:</u>	<p>Sons born to D'Orion Chews and Roy Sutherlands at Mammoth Hospital.</p> <p style="text-align: right;">10</p>
<u>MARRIAGES:</u>	<p>William Boswell and Margaret Davis married in Mammoth Chapel.</p> <p style="text-align: right;">11</p>

work behind schedule due to large turnover of employees and many of them larger were expected. Crew moved from Alaska to St. Lawrence on 11th. John Gray and Clarence Grayson technical assistance.

WATER SUPPLY  
WATER SUPPLY

James G. Swenson, born in Alaska, Alaska, Alaska. He remained until work was done in Alaska area. Indicated normal outside conditions.

WATER SUPPLY

The heavy inspection completed in construction; delays, heavy improvements completed. Construction systems at Canyon Hotel and Old Hotel in completed and contract for system at Canyon Hotel. Inspection of individual the heavy inspection reports interrupted by late supply line.

WATER SUPPLY  
WATER SUPPLY

(1) automobile accidents during month, 1 resulting in serious injuries. 2 NPS employees rescued girl from Gardner River.

ACCIDENTS

James L. Dale on duty as Statistical Clerk, Alaska. James L. Collins appointed Clerk-Photographer, Alaska. All employees worked July 2 holiday. Chief Engineer Lathrop made trip to Rocky Mountain in connection with proposed promotion to Assistant Superintendent of Road work. Frank E. Silver presented to District Park Ranger, 1930-9.

PERSONNEL

Scott Thompson, P. O. employee, died. Mrs. Mary M. Kinner, early-day Yellowstone resident, died in San Diego, California.

DEATHS

Some born to D. Gray Chase and Roy Butterlands at Mountain Hospital.

BIRTHS

William Rowell and Margaret Davis married in Mountain Chapel.

MARRIAGES

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

ICE OF THE SUPERINTENDENT

August 5, 1948.

## MEMORANDUM for the Director.

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

Weather Conditions. Near normal seasonal temperatures and below normal amounts of precipitation were recorded at Mammoth during the month of July. The total amount of precipitation recorded for the month was 0.87 inch as compared to the mean precipitation of 1.26 inches for the month of July. A maximum temperature of 85 degrees was recorded on July 10, and a minimum temperature of 52 degrees on July 28. Gale-like winds occurred on July 26 and 27 with prevailing winds from the southwest. Eight days of the month were clear, 22 partly cloudy and one day, cloudy. Snow fell on the higher elevations in the park during the month, on three occasions.

Special Activities. Superintendent Rogers accompanied Director Drury to Teton National Park on July 4. On July 6 he accompanied him to Helena and while there at a luncheon with Governor Ford discussed the Red Lodge-Cooke road and other matters with the Governor. On July 18 another trip was made to Grand Teton National Park where he spent the night with Superintendent McLaughlin. The following day they attended the dedication of the Jackson Hole Wildlife Park at Moran and returned to Mammoth that evening.

On July 5 the park started using the PEA teletype at Helena, for sending outgoing messages to various government agencies.

On July 10 all construction wage board employees were placed on a six-day week basis. This was necessary in order to retain many good employees and keep all of them better satisfied with working arrangements as well as to accomplish as much work as possible during the summer season when working conditions are favorable. However, the operation of a six-day week and the recent increase in construction wages will necessitate releasing many of the crews at an earlier date in the fall.

On July 11 a retirement deduction of 6% instead of 5% from the salaries of all employees under the Classification Act became effective.

A pay increase of \$330 per annum for all employees under the Classification Act became effective July 11 in accordance with Section 301 of the Act to Provide Pay Increases for Government Employees, which was approved July 3, 1948.

New wage board rates for maintenance and construction wage board employees became effective July 25 in accordance with Wage Board Schedules 6-48 and 7-48, respectively, approved July 23, 1948.



On July 15 the Local Civil Service Board held an examination in the Canteen for Stenographer-Typist. Messrs. Joffe and Anderson conducted the examination and there were eleven contestants.

In-Service Training. A total of 1003 man hours of in-service training was conducted by Protection Division personnel during the month of July. This training fell into two categories, the regular training for the Protection Division personnel and the fire suppression training for road maintenance crews and other seasonal personnel. In the regular training, 563 man hours were spent with seasonal and permanent rangers in entrance station operations, fire weather observations, care and handling of livestock, law enforcement, fire lookout training, station routines, public relations, weaving of the uniform, trail maintenance, rules and regulations, investigations and compilation of reports. 440 man hours were spent in training seasonal personnel in the actual suppression of small fires and in the progressive step-up method of fire-line construction on large fires.

Inspections. Newton B. Drury, Director, NPS, in July 2, out July 6; Victor O. Sandberg, Regional Training and Safety Officer, Gallatin National Forest, in July 2; Arthur B. Alley, Finance Examiner, Secretary of Interior Office, Washington, D. C., in July 3, out 6; C. T. Wright, Sanitary Engineer Director, USPHS, Denver, in July 11, out 14; Samuel M. Dodd, Chief Budget Examiner, Bureau of Budget, Washington, D. C., in July 14, out 16; John D. Coffman, Chief Forester, NPS, in July 9, out 17; Frank W. Childs, Regional Forester, Region Two, in July 9, out 11; Bernard Frank, Division of Forest Influences, Washington, D. C., and Austin Helmers and Martin Bandendistel, Northern Rocky Mountain Experiment Station, Missoula, in July 18; Michael W. Straus, Commissioner, Bureau of Reclamation, in July 19, out 19; David Canfield, Superintendent, Rocky Mountain National Park, in July 17, out 20; James C. Evenden, Senior Entomologist, Bureau of Entomology and Plant Quarantine, Coeur d'Alone, Idaho, in and out July 22; Jack S. Barrows, Northern Rocky Mountain Forest and Range Experiment Station, USFS, Missoula, in July 21, out 24; Hugh Miller, Personnel Officer, NPS, in July 22, out 24; William F. McCandless, Assistant Chief, Estimates Division, Bureau of the Budget, Washington, D. C., in July 27, out 28; John C. Gynn, Blister Rust Control, Bureau of Entomology and Plant Quarantine, Spokane, Washington, in July 25, out 29; Lawrence C. Merriam, Regional Director, Region Two, in July 27; Chris Mullady, Regional Counsel, Region Two, in July 27, out 30; C. G. Hook, Senior Assistant Sanitarian, USPHS, in July 11, out 30; E. H. Cowan, Engineer, FRA, Denver, and Clyde Learned, Design Engineer, FRA, Denver, in July 29, out 30; B. W. Matteson, Division Engineer, and A. V. Williamson, Regional Engineer, FRA, Denver, in and out July 31; William E. Warno, Assistant Secretary of Interior, Conrad L. Wirth, Chief of Land and Reclamation Planning, NPS, and party of twelve from Reclamation Service meeting at Riverton, Wyoming, in July 31; Superintendent and Mrs. Edward S. Luce, of Custer Battlefield National Monument, in July 14.

Plans, Maps and Surveys. Considerable time was spent by Resident Landscape Architect Mattson in the drafting room. Four sketches were prepared for the development at West Thumb after preparing a map of the area with use of aerial photos. Material for the topographic map of the area is being prepared.

On July 12 the local Civil Service Board held an examination in the District for stenographer-typist. Messrs. Joffe and Anderson conducted the examination and there were eleven contestants.

In-Service Training. A total of 1005 man hours of in-service training was conducted by Protection Division personnel during the month of July. This training fell into two categories, the regular training for the Protection Division personnel and the fire suppression training for road maintenance crews and other seasonal personnel. In the regular training, 857 man hours were spent with seasonal and permanent rangers in assistance station operations, fire weather observations, care and handling of livestock, law enforcement, fire lookout training, station routines, public relations, writing of the bulletin, trail maintenance, rules and regulations, investigations and compilation of reports. 140 man hours were spent in training seasonal personnel in the actual suppression of small fires and in the progressive step-up method of fire-line construction on large fires.

Inspections. Newton B. Bruy, District Ranger, in July 4, out July 6; Victor G. Sandberg, Regional Training and Safety Officer, District National Forest, in July 2; Arthur S. Alvey, Finance Examiner, Secretary of Interior, District National Forest, in July 3, out 4; C. T. Wright, Sanitary Engineer, Bureau of Reclamation, in July 11, out 12; Samuel E. Todd, Chief Budget Examiner, Bureau of Budget, Washington, D. C., in July 13, out 14; John D. Colman, Chief Forester, in July 15, out 17; Frank W. Childs, Regional Forester, Region Two, in July 15, out 16; Bernard Frank, Division of Forest Insecticides, Washington, D. C., in July 15, out 16; Austin Helms and Martin Randerhater, Northern Rocky Mountain Experiment Station, Missoula, in July 18; Michael W. Evans, Assistant, Bureau of Reclamation, in July 19; David Cantrell, Superintendent, Rocky Mountain National Park, in July 19, out 20; James C. Evenden, Senior Entomologist, Bureau of Entomology and Plant Quarantine, County of Adams, Idaho, in and out July 22; last day. Barrows, Northern Rocky Mountain Forest and Range Experiment Station, in July 22, out 24; William F. Connelley, Assistant Chief, Fisheries Division, Bureau of the Budget, Washington, D. C., in July 27, out 28; John G. Ryan, District Forester, Bureau of Entomology and Plant Quarantine, Spokane, Washington, in July 27, out 29; Lawrence G. Hartman, Regional Director, Region Two, in July 27, out 29; Charles H. Kelly, Regional Counsel, Region Two, in July 27, out 30; E. G. Hook, Senior Assistant Sanitarian, URSI, in July 11, out 30; E. H. Conner, Engineer, URSI, Denver, and Clyde Learned, Region Engineer, URSI, Denver, in July 29, out 30; E. W. Matson, Division Engineer, and A. V. Williston, National Engineer, URSI, Denver, in and out July 31; William S. Stone, Assistant Secretary of Interior, Council of Land and Reclamation Planning, URSI, and party of twelve from Reclamation Service meeting at Liverton, Wyoming, in July 31; Superintendant and Mrs. Edward B. Lane, of Grand Staircase National Monument, in July 31.

Plans, Maps and Surveys. Considerable time was spent by Forest Landscape Protection Section in the drafting room. Four sketches were prepared for the development at West Thumb after preparing a map of the area with use of aerial photos. Material for the topographic map of the area is being prepared.

General Publicity. The only story sent out during the month was a telephonic one to the Associated Press at Helena with regard to the breaking out of a steam vent in the highway in front of the Norris Museum on July 3.

There remained a total of 41,000 Yellowstone 1947 broadsides on hand at the end of the month.

Complaints. Nine letter of complaint were received during the month of July, as follows: shortage and quality of food at Old Faithful Inn; alleged overcharge for gasoline at West Thumb Service Station; road conditions in Yellowstone, particularly south approach road; reckless driving of Yellowstone Park Company bus driver; alleged overcharge for automobile repairs at Fishing Bridge Garage; condition of Old Faithful cabins; road conditions here and discourtesy of ranger at East Entrance when refusing to accept Canadian money and large discount for Canadian money at West Thumb Cafeteria; discourtesy, unsanitary conditions and lack of milk and food at Hamilton Store fountain lunch stand at West Thumb; and indifference of employees at Canyon Lodge in advising visitor of accident to his mother.

Maintenance. Most of the month was favorable for road maintenance operations. All park roads are in fair shape with the exception of the Norris to Canyon outoff and the south approach road. All crews spent most of the month in patching. Graders cut off the most serious corduroyed sections.

About three miles of the east entrance road was reprocessed and one mile on the south end of the Gallatin road was reprocessed and sealed. Five bridges on the Firehole loop road were given a new deck. About 2,000 feet of guide post with reflector buttons were installed on the Mammoth to Tower Falls and the Tower Falls to Canyon sections.

Both the Norris to Canyon and the south approach roads are rough and dusty, but are being maintained regularly with graders and have no spring-breaking holes. Our oiling crew will move to the south approach road soon. Considerable progress was made in removal of small tree growth along the road shoulders. Extremely hot geysers broke out in the road at Norris geyser basin and near Nymph Lake. These were capped and the steam vented to the side of the road. Extremely high winds hit the park on the first of the month and some 66 trees were blown across the roads, some sections being blocked for a short time.

The Red Lodge road is in fair shape. About a one-half mile section near Silver Gate was stabilized and rip-rap repairs made along the Clarks Fork River where high water had done considerable damage to the road slope. Some rock-retaining wall was placed in several places on Section C. Two snow storms hit the high sections during the month. On July 29 the road was temporarily closed until snow plows removed drifts up to three feet in depth.

Road crews are located at Mammoth, Madison, Gallatin, Thumb, Lake, East Entrance, Canyon, Tower Falls, South Forest, Northeast Entrance, Beartooth and Rock Creek. A special crew spent most of the month on guard rail replacement and bridge repair. A second special crew worked on trail repair. The outer end of Inspiration Point platform was rebuilt and Grand View platform was given extensive repair. All wooden stairs and platforms in Canyon area were checked and repaired.

General liability. The only story worth mentioning during the month was a telephone call to the Associated Press at Ottawa with regard to the breaking out of a storm vent in the highway in front of the North Station on July 2.

There remained a total of \$1,000,000 estimated 1917 proceeds on hand at the end of the month.

Complaints. Nine letters of complaint were received during the month of July, as follows: average and quality of food at Old Mill Hotel; alleged overcharges for gasoline at West Point Garage Station; road conditions in Yellowknife, particularly rough gravel road; possible driving of Yellowknife Park Company bus driver; alleged overcharges for automobile repairs at Yellowknife Garage; condition of Old Mill Hotel; road conditions near and at the corner of Highway at West Point where retaining to accept Canadian money and large amount for Canadian money at West Point Garage; discommodities, unsatisfactory conditions and lack of fire and food at Hamilton Town Foundation Lodge during the month; and indifference of employees at Canyon Lodge in advising visitor of accident to his mother.

Maintenance. Most of the month was favorable for road maintenance operations. All park roads are in fair shape with the exception of the North Station Canyon road and the main gravel road. All other gravel roads of the month in factoring. Gravel on the most serious eroded sections.

About three miles of the east entrance road was repaved and the site on the south end of the Deltaic road was repaved and sealed. The bridge on the Deltaic loop road was given a new deck. About 2,000 feet of wide road with rubber gutters was installed on the Hamilton to Lower Millia and the Lower Millia to Canyon sections.

Both the bridge to Canyon and the south approach roads are under daily but are being maintained regularly with graders and have no winter-driving holes. Our oiling crew will move to the south approach road soon. Considerable progress was made in removal of small tree growth along the road shoulders. Extremely hot weather broke out in the road at North Point basin and near Upper Lake. There were cracks and the water vented to the side of the road. Extremely high winds hit the part of the month and some of these were blown across the road, some sections being closed for a short time.

The Red Lake road is in fair shape. About a one-half mile section near Silver Lake was stabilized and repair repairs made along the Clark Fork River where high water had done considerable damage to the road edge. Some rock retaining wall was placed in several places on Junction U. Two new storm pits the high section during the month. The July 29 the road was temporarily closed until snow plows removed drifts up to three feet in depth.

Road crews are located at Kamouritz, Hamilton, Yellowknife, White Lake, and Inuvik, Canyon, Lower Millia, South Point, Northwest Entrance, North Point and Hook Creek. A special crew spent most of the month on Grand Falls replacement and bridge repair. A second special crew worked on trail repair. The outer end of Hamilton Point platform was rebuilt and Grand View platform was given extensive repair. All wooden stairs and platforms in Canyon area were checked and repaired.

Two new Gallion Model 102 patrol graders were received July 26 and immediately put to work. For a period three of our old graders were laid up for repairs.

Two of our road crews were called out on fire duty for a short period of time.

New Construction. Peter Kiewit Sons' Company were the low bidders for the chip seal coating of 38 miles of Mammoth to Old Faithful section. The bids were opened in Denver on July 30 and award has been recommended to the low bidder at \$77,250. The bid plus PRA supervision cost will be about \$25,000 more than estimated in our Roads and Trails Estimates of last fall. This will leave the park quite short in regular maintenance and will necessitate the closing of some of the maintenance camps as early as September 1.

Contractor McLaughlin, who has the contract for construction of Section C of the South Approach Road, Moran to Yellowstone, is making good headway on the grading work between the Snake River and South Entrance. He expects to have all grading done in about 30 days. Work was resumed on the excavation for the south abutment for the Snake River bridge. A concrete culvert one-half mile south of the Snake River Bridge was completed.

Bids are to be opened again in Denver on August 5 for constructing Project 1-F3, G4 (Canyon) grading and base surfacing of 2.830 miles of main line and .872 miles of connecting roads and parking areas. It is believed that there will be several new contractors bid on the job at this letting.

On Projects 431 and 432, Residences at Mammoth, the cabinets are being installed and interior painting and papering is being completed on these houses.

On Account 512, Prefabricated Wooden Walks, a small crew spent most of the month installing these walks in the Old Faithful area. Some of the old bituminous paths are being torn up, hauled away and replaced with the new wooden sections.

Concessioners. The rates for Fryer Stores, Inc., for 1948 were approved on July 16 and the rates for the Yellowstone Park Company bars were approved on the 20th.

Interpretive Services. The Chief Park Naturalist gave special talks on Yellowstone illustrated with motion pictures at Mammoth on the 7th, Fishing Bridge the 21st and Old Faithful the 30th.

The Junior Nature Program proved to be very popular during the month and on occasions there have been as many as forty children participating in the program.

The interpretive program was in full effect all month with the exception of those days when it was adversely influenced by the weather.

Two new Yellow Hotel 1001 Hotel projects were received July 20 and 21st -  
state put to work. For a period of time the old projects were held up for  
review.

Two of our best projects were called out on July 21st for a short period of  
time.

Low Construction - Lower than the other projects were the low bid for the  
this bid totaling of \$3 million to \$4 million. The bid  
was opened in Denver on July 20 and a bid has been recommended to the low  
bidder at \$17,250. The bid also includes the cost of all the materials and  
more than estimated in our books and trials estimates of land fill. This will  
leave the bid price about in regular maintenance and will necessitate the  
closing of some of the maintenance work as early as September 1.

Contractor Wolfe has the contract for construction of Section 2  
of the North Adams Road, known to the public as the "Good Highway" on the  
grading work between the main river and North Adams. He expects to have all  
grading done in about 30 days. Work was started on the excavation for the road  
between the main river bridge. A concrete culvert was built on the south of  
the main river bridge was completed.

Bids are to be opened again in Denver on August 2 for construction projects  
I-77, 61 (Garvey) Grading and base surfacing of 2.850 miles of main line and  
.875 miles of connecting roads and parking areas. It is believed that there  
will be several new contractors bid on the job at this time.

On projects 21 and 22, Wolfe, the contractor, was selected and bid  
installed and interior painting and repairing is being completed on these houses.

In Account 215, Wolfe has a small road project east of the  
month installing these works in the old school area. Some of the old building  
one path are being torn up, lanes away and replaced with the new wooden  
floor.

Construction - The rates for Wolfe and Wolfe were approved  
on July 10 and the rates for the Yellowstone Park Company were approved  
on the 10th.

Interpretive Services - The Utah Park Specialist gave special advice on  
Yellowstone interpreted with modern pictures at Kamona on the 1st, 2nd and  
Bridge the 3rd and 4th National the 5th.

The Junior Nature Program proved to be very popular during the month and  
on occasions there have been as many as forty children participating in the  
program.

The interpretive program was in full effect all month with the exception  
of those days that it was adversely influenced by the weather.

Museum Activities and Exhibits. All five museums were open as many hours as man-power would permit during the month and were well attended by the visitors. The statistical records indicate a small increase in museum attendance over last season.

The amphitheater at Old Faithful was completed and is being used by capacity crowds. The wiring of the amphitheater for projection was completed and also wiring changes made in the Fishing Bridge amphitheater during the month.

The plate glass ordered for the repair of exhibit cases at Fishing Bridge and to fix the sales publication display cases at Fishing Bridge and Old Faithful was received on the 21st and it is anticipated that these cases will be repaired immediately after the first of August.

Research and Observation. Mr. John McMillan, Research Collaborator, has continued his work on the moose of the Willow Park area.

Park Naturalist Alcorn made a trip to the Fossil Forest area on Specimen Ridge for the purpose of making observations and taking pictures. This area has been proving popular with the visitors this season and many people have hiked up to the fossil tree area above the Horseshoe. Mr. Alcorn made a trip to the Monument Geyser Basin on July 7 to check on the thermal phenomena there and found that very few people had visited this particular section. The sign directing people to the Monument Geyser Basin was taken down at the beginning of the season with the thought in mind it would reduce the number of people visiting the basin and thereby cut down the vandalism which had been occurring there. Mr. Alcorn's observations indicate that the removal of the sign has been quite effective.

Park Ranger Naturalist Wayne Replogle has continued his research work on the location of the Bannock Trail through Yellowstone Park. He has done extensive hiking throughout the area through which the trail supposedly traveled and has been locating sections of it. He has also interviewed a number of the old time personalities in the West Yellowstone-Henry's Lake area to secure information from them concerning this trail.

Park Naturalist Watson had the interesting experience of watching a Richardson's Grouse and family of six young feeding and carrying on the normal pursuits of life at Dunraven Pass on July 15th. Attempts to photograph this family proved to be futile. On the 22nd Mr. Watson watched a young mule deer fawn on the old freight road which apparently was lost by its mother. This fawn was well spotted and again attempts to secure photographs were in vain due to the dense timber cover. On the 22nd while at the Grizzly Lake Mr. Watson saw two pair of Trumpeter swan and one cygnet.

On July 3 a steam vent popped up in the road directly in front of the Norris Museum. This vent is apparently along the rift or fracture from which the steam comes for the Black Growler vent and so far this season there have been periodic shifts in the intensity of the steam pressure and outlets along this rift. The vent which developed in the road opened up a hole several feet across and several feet deep. The steam is still active in this area, but the vent has been capped over and pressure is being released out to the roadside. On cool days large quantities of steam vapor virtually obscure vision along this point of the highway.

The statistical records indicate a small increase in museum attendance over last season. The statistical records indicate a small increase in museum attendance over last season. The statistical records indicate a small increase in museum attendance over last season.

The amphitheater at Old Tatham was completed and is being used by capacity crowds. The wiring of the amphitheater for projection was completed and also wiring changes were in the Tatham Bridge amphitheater during the month.

The plate glass ordered for the repair of exhibit cases at Tatham Bridge and to fix the cases exhibition display cases at Tatham Bridge and Old Tatham was received on the 1st and it is anticipated that these cases will be repaired immediately after the first of August.

Research and Observation. Mr. John McMillan, Research Geologist, has continued his work on the course of the Miller Fork area.

Park Naturalist Alcorn made a trip to the Powell Point area on September 15th for the purpose of making observations and taking pictures. This area has been proving popular to the visitors this season and many people have fished up to the fossil tree area above the Horseman. Mr. Alcorn made a trip to the Mountain Geyser Basin on July 7 to check on the thermal phenomena there and found that very few people had visited this geothermal section. The sign directing people to the Mountain Geyser Basin was taken down at the beginning of the season with the thought in mind it would reduce the number of people visiting the basin and thereby cut down the vandalism which had been occurring there. Mr. Alcorn's observations indicate that the removal of the sign has been quite effective.

Park Ranger Naturalist Wayne Kopylov has continued his research work on the location of the Bennett Trail through Yellowstone Park. He has been extensively looking throughout the area through which the trail supposedly traveled and has been locating sections of it. He has also interviewed a number of the old time personalities in the West Yellowstone-Henry's Lake area to secure information from them concerning this trail.

Park Naturalist Watson and the interesting experience of watching a Nicholas's Grouse and family of six young feeding and sunbathing on the gravelly bank of the Snake River on July 15th. Attempts to photograph this family proved to be futile. On the 22nd Mr. Watson watched a young male bear fawn on the old freight road which apparently was lost by its mother. This fawn was well spotted and again attempts to secure photographs were in vain due to the dense timber cover. On the 23rd while at the Grizzly Lake area Watson saw two pairs of Trumpeter swan and one osprey.

On July 5 a steam vent popped up in the road directly in front of the Norris Museum. This vent is apparently along the rift or fracture from which the steam comes for the Black Tower vent and so far this season there have been periodic shifts in the intensity of the steam pressure and outlets along this rift. The vent which developed in the road opened up a hole several feet across and several feet deep. The steam is still active in this area, but the vent has been capped over and pressure is being released out to the road level. On cool days large quantities of steam vapor usually appear when along this point of the highway.

On the 13th a steam vent developed in the road-center near Nymph Lake and during the month reoccurred, causing additional maintenance work. At the close of the month this has been capped with a concrete block and it is anticipated that no further trouble will be experienced at this point. A similar type of opening developed in the road near the Mud Volcano area and it too has been repaired.

Several interesting changes have developed on the Mammoth Hot Springs Terraces during the month. Probably the most outstanding of these was the drying up of the main terrace on Wednesday, the 21st. Blue Spring, Canary Spring and the Main Springs were all very active at 11:15 a.m. and at 2:30 p.m. when the afternoon terrace trip reached the main terrace all of the waters had left this area and the springs were dry. Since this date these springs have regained a more or less normal flow and the thermal activity on the terraces is comparable to that of any other time. On the 8th of July a fire was found in the sulphur bed near White Elephant Back Terrace. Exactly what started this fire is not known, but it was satisfactorily extinguished.

On the 20th the Emerald Spring at Norris Geyser Basin erupted, throwing out a large quantity of debris which had been tossed into it by unthinking visitors and following its eruption it was possible for us to thoroughly clean the spring's basin. It has not erupted again since that date.

The Rainbow Pool in the Black Sand Geyser Basin which has periodically been active as a geyser became active again on the 22nd and at this time put on a violent series of eruptions, tossing out large pieces of sinter and causing the waters of the area to be highly turbulent. This geyser had been dormant for over a year.

The wild flower display of Yellowstone has been outstanding during the entire month with vast flower fields occurring on the old road to Tower Falls, through the Dunraven Pass area and along the east side of Lake Yellowstone.

Natural History Association. Mrs. Frank Wagner has been employed during the entire month as the librarian of the Yellowstone Park Library by the Natural History Association.

Two new books were added to the sales publication list during the month. These were "Bugs, Birds and Blizzards" by Harlow Mills and "Yellowstone - It's Underworld" by Dr. C. Max Bauer. Dr. Bauer's book telling the popular geological story of the Yellowstone, which was put on sale during mid-July, is proving to be a very popular sales item and it has been necessary for the Association to order additional copies of this.

Publication sales for July are below last season, but with some books sales are exceeding expectations. It has been necessary for the Association to secure additional topographic maps, "Picture Maker of the Old West", "Wyoming: Frontier State", "Yellowstone - It's Underworld" and "Exploring our National Parks and Monuments" in order to meet the anticipated demand for these during August.

On the 15th a storm wind developed in the north-west and during the month of November, during additional rain-falls, it is anticipated that no further trouble will be experienced at this time. A similar type of storm developed in the north-west and it is anticipated that no further trouble will be experienced at this time.

Several interesting changes have developed in the weather during the month of November. Probably the most outstanding of these is the drying up of the main terrace on Wednesday, the 15th. The spring and the main terrace were all very active at 11:15 a.m. and at 11:30 a.m. when the afternoon terrace trip reached the main terrace all of the water had left this area and the springs were dry. Since this date there have remained a more or less normal flow and the normal activity on the terrace is comparable to that of any other time. On the 26th of July a fire was kindled in the upper bed near the highest back terrace. Exactly what started this fire is not known, but it was satisfactorily extinguished.

On the 20th the rainfall during the night was estimated at 0.15 inches and a large quantity of debris which had been tossed into it by erupting volcano and following the eruption it was possible for us to thoroughly clean the spring. It has not erupted again since that date.

The Rainbow Pool in the Black Sand Geyser Basin which has periodically active as a geyser became active again on the 23rd and at this time put on a violent series of eruptions, forcing out large blast of water and causing the waters of the area to be highly turbulent. This geyser had been dormant for over a year.

The wild flower display of fall season has been outstanding during the entire month with vast flower fields extending on the old road to Lower Falls, through the Dunsmuir Pass area and along the east side of Lake Tollerton.

Natural History Association. Mrs. Frank Wagner has been employed during the entire month as the Librarian of the Yellowstone Park Library by the Natural History Association.

Two new books were added to the sales publication list during the month. These were "Bugs, Birds and Bittern" by Harold Miles and "Yellowstone - Its Underworld" by Dr. C. Mac James. Dr. James' book telling the popular geological story of the Yellowstone, which was put on sale during mid-July, is proving to be a very popular sales item and it has been necessary for the Association to order additional copies of this.

Publication sales for July are below last season, but with some books sales are exceeding expectations. It has been necessary for the Association to secure additional topographic maps, "Historic Lakes of the Old West", "Yellowstone: Frontier State", "Yellowstone - Its Underworld" and "Exploring our National Parks and Monuments" in order to meet the anticipated demand for these during August.

Increase or Decrease in Travel. Travel continued to increase during the month, with all entrances except one showing an increase. 332,614 persons visited the park during July as against 321,521 in July 1947, an increase of 3.5%. The total travel to the end of July was 554,998 as against 533,045, an increase of 4.1%.

Visitors. Professor Tracy I. Storer, University of California College of Agriculture, in July 16; Alfred A. Knopf, New York Publisher, and Mrs. Knopf, in July 1, out 4; Riley R. Zumwalt, Secretary to Congressman Mack of Washington, in July 5; Douglas W. Hartman, Administrative Assistant to Senator Brewster of Maine, in July 11, out 12; Congressman Norris Poulson of California, in July 11, out 13; Congressman Franck R. Havenner of California in July 12, out 16; Harry B. Hommon, former Sanitarian USPHS assigned to Yellowstone, in July 13, out 16; two groups of Outdoor Editors from various parts of the country, sponsored by the Pacific Northwest Tourist Association, one in the northeast July 14 and the other in the south July 15; Vincent J. Schaefer, General Electric Company, famous for seeding clouds with dry ice, in July 14; Governor Lester C. Hunt of Wyoming in July 19; Senator Glen H. Taylor of Idaho in July 11, out 20; Congressman Wesley A. D'Ewart of Montana in July 21; Congressman Lowell Stockman of Oregon in east July 17; Julius Klein, a former Assistant Secretary of Commerce and a member of one of the President's committees studying Government reorganization, in July 19, out 23; Commodore F. K. Kjolsen, Naval Attache, Danish Embassy, Washington, D. C., in July 19; Ursula A. Gross, Assistant Editor, International Press Agency, Cape Town, South Africa, in July 27; Fred Hand, Manager, Constitution Hall, Washington, D. C., in July 21; Rabbi I. Edward Kiev, New York City, in July 23; Governor Val Peterson of Nebraska in July 30, out 31; Major General Lewis A. Pick, Division Engineer, U. S. Corps of Engineers, Omaha, in July 30, out 31; Major General Albert E. Brown, U. S. Army, in July 30; James G. Rogers, brother of Superintendent Rogers and a member of one of the President's committees studying Government reorganization, in July 21.

Ranger Service. As travel continued to increase during the month, the duties of the members of the Protection Division increased relative to public contact, police protection, investigations, traffic control and other associated duties. Protection of thermal areas in the park also comprised a large part of Protection Division Activities. Field work consisted of trail clearance and maintenance, up-keep of telephone lines to lookouts and patrol cabins and other work to facilitate the administration of the remote areas of the park. Three patrol cars were on duty during the month for general protection work and enforcement of park regulations. Thirty-two seasonal rangers were assigned to duty on July 1, after completing an in-service training program in Mammoth. Three permanent rangers were assigned to duty at the Lake Desor Fire at Isle Royale National Park. Two of these rangers were on duty there for a period of two weeks and the third for a period of three weeks.

Law Enforcement. A total of twenty-six cases were presented before the United States Commissioner for trial during July. Thirteen of these cases were for violation of the speeding regulation, seven for reckless driving, one for petty larceny, one for assault, two for the violation of fishing regulations,

increase of business in travel. Travel continued to increase during the month, with all branches except one showing an increase. The total travel to the end of July was \$2,398,000 as against \$2,012,000 an increase of 18.9%.

Visitors. Professor Tracy I. Stewart, University of California College of Agriculture, in July 1st; Alfred A. Knapp, New York Politician, and Mrs. Knapp, in July 1, and 1st; Wiley R. Lammie, Secretary to Congressman Frank of Washington, in July 2; Douglas E. Hartman, Administrative Assistant to Senator Brewster of Maine, in July 11, and 1st; Congressman Frank R. Weaver of California, in July 12, and 1st; B. Hanson, former Senatorial Agent assigned to California, in July 13, and 1st; two groups of outdoor writers from various parts of the country, associated by the Pacific Northwest Tourist Association, one in the northwest July 14 and the other in the south July 15; Vincent J. Schaefer, General Electric Company, famous for aerial clouds with dry ice, in July 16; Governor Lester C. Hunt of Wyoming in July 17; Senator John R. Taylor of Idaho in July 11, and 1st; Congressman Wesley A. Starns of Montana in July 21; Congressman Louis Goodman of Oregon in early July 17; Julius Klein, a former Assistant Secretary of Commerce and a member of one of the President's committees studying government reorganization, in July 19, and 22; Commodore E. K. Johnson, Naval Attaché, Danish Embassy, Washington, D. C., in July 19; Wm. A. Gross, Ambassador, Editor, International Press Agency, Cape Town, South Africa, in July 27; Fred Hand, Manager, Commission on Bill, Washington, D. C., in July 21; Paul L. Howard, New York City, in July 23; Governor Eli Johnson of Nebraska in July 30, and 31; Major General Lewis A. Pick, Division Engineer, U. S. Corps of Engineers, Omaha, in July 30, and 31; Major General Albert E. Brown, U. S. Army, in July 30; James D. Rogers, Professor of Independent Factors and a member of one of the President's committees studying government reorganization, in July 31.

Range Service. As stated previously, the general continued to increase during the month, with all branches of the Protection Division increased relative to other divisions. Protection Division activities, which were assigned to field offices and other maintenance, up-keep of telephone lines to lockboxes and patrol units and other work to facilitate the administration of the range areas of the park. Three patrol cars were on duty during the month for general protection work and enforcement of park regulations. Thirty-two seasonal rangers were assigned to duty on July 1, after completing an in-service training program in Yellowstone. Three permanent rangers were assigned to duty at the late season line at late July National Park. Two of these rangers were on duty from the period of two weeks and the third for a period of three weeks.

Law Enforcement. A total of twenty-six cases were presented before the United States Commissioner for trial during July. Thirteen of these cases were for violation of the speeding regulation, seven for reckless driving, one for petty larceny, one for assault, two for the violation of fishing regulations,

one for creating a disturbance and one for the defacing of the natural features. In disposing of these cases a total of \$385.00 in fines was assessed. In the case of petty larceny the three defendants were given a jail sentence of five days, and in two other cases involving assault and reckless driving, the two defendants were each ordered confined for a period of twenty-four hours. In addition, twenty cases of a minor nature were investigated during the month.

Wildlife and Fish Cultural Activities. BEARS. Although black bears have been numerous along park roads and thousands of visitors have stopped to observe and photograph them daily, only four personal injuries from these animals were reported during July, as compared with ten for the same period last year. Five personal injuries from black bears were reported in June, making the total for the season to date nine, as compared with eleven last season. Reported damages to personal property from black bears totaled three in July, making five for the season. During the month one black bear was killed near Camp Roosevelt for control purposes and a second black bear was inadvertently killed at Old Faithful in connection with control of grizzlies. As is usual in even-number years, first-year cubs are not numerous this season.

Unusual depredations and personal injuries were perpetrated in the Old Faithful Campground on the nights of July 13 and 16 by what is believed to have been young grizzly bears. Seven persons were clawed or bitten while sleeping in tents or in the open and six damages to tents, bedding or bedrolls resulted. Three young female grizzlies known to have regularly frequented the area were killed for control purposes and no further difficulty has been experienced with bears at Old Faithful. Grizzly bear incidents of this kind have occurred only infrequently in the past at intervals of several years. During the month some thirty grizzly bears were seen in the Canyon, Old Faithful, Fishing Bridge and other more isolated areas.

BUFFALOES. Very few buffaloes were seen from park roads during the month. A herd of about 200 head was herded from the meadows in Lamar River valley on the 21st to prevent interference with haying operations. Occasional old bulls have frequented the hay fields and in some instances have playfully hooked and broken some of the hay bales left behind the hay baler.

COYOTES. Two ear-tagged coyotes were reported as seen during the month but it was not possible to collect the specimens.

GROUND SQUIRREL CONTROL. In the Mammoth developed area 205 ground squirrels were shot during July. Of these, 130 were removed from the Hotel Cottage area where they were becoming excessively numerous. Total ground squirrels killed for control purposes this season in the Mammoth and Tower Falls areas is 605.

TRUMPETER SWANS. No general observations of the swans throughout the park have been made this season, but ten cygnets have been reported from three locations. On July 7 a pair of swans with one cygnet were observed on Swan Lake. A short time later it was noted that the cygnet had disappeared. A pair of swans with five cygnets have been seen on a pond near the mouth of Slough Creek, and another pair with four cygnets are located on a pond near Madison Junction.

one for creating a disturbance and one for the safety of the animal's welfare. In disposing of these cases a total of \$350.00 in fines was assessed. In the case of petty larceny the three defendants were given a jail sentence of five days, and in two other cases involving assault and robbery during the two defendants were each ordered confined for a period of twenty-four hours. In addition, twenty cases of a minor nature were investigated during the month.

Wildlife and Fish Control Activities. Although black bears have been numerous along park roads and thousands of visitors have reported to have seen and photographed them daily, only four personal injuries from black bears were reported during July, as compared with ten for the same period last year. Five personal injuries from black bears were reported in June, making the total for the season to date nine, as compared with eleven last season. Reported injuries to personal property from black bears totaled three in July, making five for the season. During the month one black bear was killed near Camp Roosevelt for control purposes and a second black bear was inadvertently killed at Old Kaituma in connection with control of gophers. As in usual in even-number years, first-year cubs are not numerous this season.

Humanal injuries and personal injuries were reported in the Old Kaituma (campground) on the nights of July 13 and 14 by what is believed to have been young grizzly bears. Seven persons were clawed or bitten while sitting in tents or in the open and six fingers or hands, including or including including three young female grizzlies known to have recently reproduced the area were killed for control purposes and no further difficulty has been experienced with bears at Old Kaituma. Grizzly bear footprints of this kind have occurred only infrequently in the past at intervals of several years. During the month some thirty grizzly bears were seen in the canyon. Old Kaituma, Kaituma and other more isolated areas.

HUTCHINSON. Very few difficulties were seen from park roads during the month. A herd of about 200 head was herded from the canyon in lower river valley on the 21st to prevent interference with logging operations. Occasional in July have threatened the way trails and in some instances have grizzly looked and broken some of the way trails late in the afternoon.

COYOTES. Two ear-tagged coyotes were reported as seen during the month but it was not possible to collect the specimens.

GROUND SQUIRREL CONTROL. In the month developed a new SJS ground squirrel were shot during July. Of these, 150 were removed from the Hotel Canyon area where they were becoming excessively numerous. Total ground squirrels killed for control purposes this season in the Mammoth and lower hills areas is 200.

TEMPERATURE RECORDS. As general observations of the swans throughout the park have been made this season, but ten cypriates have been reported from three locations. On July 7 a pair of swans with one cyprate was observed at Swan Lake. A short time later it was noted that the cyprate had disappeared. A pair of swans with five cypriates have been seen on a pond near the mouth of Silver Creek and another pair with four cypriates was located on a pond near Landon Junction.

**FISH CULTURE AND FISH PLANTING.** Collection of blackspotted trout eggs by the Fish and Wildlife Service has progressed very slowly at Yellowstone Lake this season, probably due to the fact that ice remained on the lake for about ten days later than normally. Eggs taken to date total 17,312,519, the smallest number since collection records were begun in 1936. Much of the fish planting from Ennis, Bozeman and Emigrant was completed during the month. All plants for the season, however, will not be accomplished until late September or early October.

**Forest Fire Protection.** Ten Class A, 1 Class B and 4 Non-Reportable Forest Fires were reported during July. A Class B fire occurred in the West Yellowstone District on July 27 while the park average fire danger was 59 and the average afternoon wind was 15. The fire was reached on the same day by Ranger Sedar and the Pre-Suppression Crew. It was held that day and brought under control the following day by these men and a follow-up crew of 16 Blister Rust crewmen.

The Pre-Suppression Crew completed maintenance work on the Snake River Lookout telephone line, the telephone lines to Mt. Sheridan and the trails of the same areas. They also constructed two corduroys on horseback trails in the Mammoth District.

**Trails.** On July 12, the pack string was taken to the pasture and the services of Packer Paul Hoppe were terminated. The trail crew had been traveling with a pack outfit but from that date, men were assigned to individual districts and the trail work will be coordinated by the district headquarters during the balance of the season. At the close of the month, a two-man crew was working on the West Yellowstone District and another was working at the Bechler River District.

**White Pine Blister Rust Control.** Work progress on the Blister Rust Control program was not up to the standards originally planned for this season. The work has lagged behind schedule partly because of the large turnover in employees and partly because the mop-up job in the Mammoth unit proved to be a larger job than had been originally anticipated. Work in the Mammoth area was completed July 15, two weeks behind schedule, and the control crew moved to Canyon and started work on the Mt. Washburn unit on July 16. There were approximately 35 men on the job throughout the month. Two representatives of the Bureau of Entomology and Plant Quarantine, Mr. John C. Gynn and Mr. Clarence M. Chapman, rendered valuable technical assistance on the project.

**Forest Insects.** Mr. James C. Evenden, Forest Insect Control Laboratory, Bureau of Entomology and Plant Quarantine, Coeur d'Alene, Idaho, made an inspection trip through the park during the month, primarily for the purpose of determining the extent of bark beetle damage to whitebark pine in the Mt. Washburn-Dunraven Pass area. Some of the observations made during Mr. Evenden's visit seem to indicate that some trees have been weakened by the application of Amate to Ribes which have been removed near the tree roots. Subsequent observations indicate that, while some trees have possibly been weakened by Amate and attacked by bark beetles, the beetle attacks were also prevalent in mature whitebark pine where no Blister Rust Control work has been accomplished. The few bark beetle attacks observed do not indicate that anything more than a normal endemic condition exists in the area in question.

THE OUTLINE AND THE PLANTING. Collection of data reported from the  
by the first and second parties has progressed very slowly at Yellowstone Lake  
this season, probably due to the fact that the amount of the lake for about  
the lake later than normally. Data taken to date total 17,312, 219, the smallest  
number since collection records were begun in 1950. Most of the first planting  
from 1951, 1952 and 1953 was completed during the season. All plants  
for the season, however, will not be completed until late September or early  
October.

Forest fire protection. For Class A, I Class B and II Non-Reportable Forest  
fires were reported during July. A Class B fire occurred in the West Valley  
Forest District on July 27 while the peak average fire danger was 59 and the  
average afternoon wind was 17. The fire was reached on the same day by hand  
gear and the Pre-Suppression crew. It was held that day and brought under con-  
trol the following day by these men and a follow-up crew of 12 Blister Leaf crew-  
men.

The Pre-Suppression crew completed maintenance work on the Snake River  
lookout telephone line, the telephone lines to Mt. Lemmon and the walls of  
the area. They also constructed two concrete to post-rock trails in the  
Kamath District.

On July 12, the peak spring was seen on the pasture and the ser-  
vice of about 7000 eggs were determined. The trail crew had been traveling  
with a pack outfit but from that date, men were assigned to individual districts  
and the trail will be conducted by the district supervisors during the  
balance of the season. At the close of the month, a two-man crew was working  
on the West Yellowstone District and another was working at the Boulder River  
District.

While the Blister Leaf Control. Work progress on the Blister Leaf Control  
program was not up to the standards originally planned for this season. The  
work has lagged behind schedule partly because of the large turnover in employees  
and partly because the work of the Blister Leaf Control was not a larger job  
than had been originally anticipated. Work in the control area was completed  
July 15, two weeks behind schedule, and the control area was closed to the public and  
started out on the 15th. The Blister Leaf Control was approximately 15  
men on the job throughout the month. Two representatives of the Bureau of  
Entomology and Plant Quarantine, Dr. John C. Gyan and Dr. Clarence S. Chapman,  
rendered valuable technical assistance on the project.

Forest insects. Mr. James G. Lambert, Forest Insect Control Laboratory,  
Bureau of Entomology and Plant Quarantine, Denver, Idaho, made an  
inspection trip through the park during the month, primarily for the purpose  
of determining the extent of bark beetle damage to whitebark pine in the  
Reservoir-Burnover area. Some of the observations made during Mr. Lambert's  
visit seem to indicate that some trees have been weakened by the application of  
Amato to Blister which have been near the tree route. Subsequent obser-  
vations indicate that while some trees have possibly been weakened by Amato  
and attacked by bark beetles, the beetle attacks were also prevalent in areas  
whitebark pine where no Blister Leaf Control work has been accomplished. The  
few bark beetle attacks observed do not indicate that anything more than a  
normal endemic condition exists in the area in question.

Building Fire Protection. Fire hazard inspections have been completed in all of the concessioners' establishments. A great many improvements have been accomplished. The automatic sprinkler systems in Canyon Hotel and Old Faithful Inn were completed early in the month and final inspections were made to determine that they were in acceptable working condition. The Yellowstone Park Company has contracted for installation of an automatic sprinkler system in the Mammoth Hotel, the work to start at the end of the 1948 travel season. Preparation of the individual fire hazard inspection reports was interrupted by the Lake Desor fire in Isle Royale National Park.

Accidents. Forty-nine automobile accidents occurred in the park during the month, of which twenty-five were Class A and twenty-four were Class B. Only one accident resulted in serious injuries to the occupants of the cars. Mr. and Mrs. Sam Wiesman of 6748 Cornell Street, Chicago, Illinois, and Mr. and Mrs. Morris Wiesman of the same address, were hospitalized in the Park Hospital in Mammoth. Mr. Sam Wiesman received cuts and bruises about the face and also suffered chest injuries. Mrs. Sam Wiesman suffered deep cuts about the face and head in addition to a broken ankle. Mr. and Mrs. Morris Wiesman both suffered numerous cuts about the face and head. The occupants of the other car involved in this accident received only minor bruises.

Two National Park Service employees rescued an eleven year old girl from a possible drowning in the Gardiner River. The girl, a resident of Gardiner, Montana, slipped from a steep bank and fell into the swift moving stream, and was clinging to a rock in midstream, from where she was rescued.

Personnel. Loren L. Gale entered on duty as Seasonal Statistical Clerk, CAF-3, July 1. James L. Collins was appointed as Clerk-Stenographer, CAF-4, vice Gerard Doezie on July 1. All employees were required to work on July 5, a legal holiday, in view of the large crowds in the park and the accumulation of work over the weekend.

Chief Ranger LaNoue made a trip to Rocky Mountain National Park from July 24 to 30 in connection with his proposed promotion to the position of Assistant Superintendent of that area. Frank T. Hirst was promoted from the position of Park Ranger, CPC-7, to District Park Ranger, CPC-9, on July 26.

Deaths. Scott Thompson, 43, horse wrangler for the Yellowstone Park Company, from Belgrade, Montana, died of a heart attack at the Canyon on July 7. An item appeared in the Park County News (Livingston, Montana) on July 29 to the effect that Mrs. Mary R. Klammer, 79, died recently in San Diego, California. Mrs. Klammer and her husband were former owners of the C. A. Hamilton Store at Old Faithful and Mrs. Klammer was a member of the George L. Henderson family who built the old Cottage Hotel at Mammoth which still stands.

Births. A son was born to Mr. and Mrs. D'Orion Chew of Gardiner in the Mammoth Hospital on July 27. Mr. Chew is Agent for the Northern Pacific and Mrs. Chew was Postmistress at Mammoth during the war years. The following day a son was born at the Mammoth Hospital to Mr. and Mrs. Roy E. Sutherland of Gardiner.



Marriages. William Boswell and Margaret Davis, employees of Hamilton Stores, Inc. at Old Faithful, were married in the Mammoth Chapel on July 24.

Edmund B. Rogers,  
Superintendent.

cc: Region Two, in quintuple.

Files (2) ✓

JJ/ekm

Two of the witnesses, William Howell and Margaret Davis, employees of Hamilton Street, were married in the month of July 1914.

Edward F. Rogers  
Superintendent

cc: Rogers two, in duplicate.  
Files (S)  
JL/elm



