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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE

Yellowstone NATIONAL PARK

FILE NO. 207-02.3

SUPERINTENDENT'S MONTHLY REPORT

APRIL 1951

	ROGERS	
✓	JOHNSTON	<i>7/2</i>
✓	IOFFE	<i>[Signature]</i>
✓	ANDERSON	<i>[Signature]</i>
	STANTON	
	FULLER	
	PROPER	
	HOTCHKISS	
✓	MATSON	<i>7/2</i>
✓	CONDON	<i>[Signature]</i>
✓	SKIN	<i>[Signature]</i>
✓	EVANS	<i>[Signature]</i>
	CHAMBERLAIN	
	JAY	
	KOWSKI	
✓	KITAMAS	<i>[Signature]</i>
	WOHLBRANDT	<i>[Signature]</i>
	ROBINSON	
	WIGGINS	
	McMULLIN	

IMPORTANT

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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 April 1951 Monthly Narrative Report for  
YELLOWSTONE NATIONAL PARK

	<u>Page</u>
<u>WEATHER:</u>	Precipitation slightly over average. Mammoth maximum 64°, minimum 16°. Snowdepths little below normal.
	1
<u>SPECIAL ACTIVITIES:</u>	Rogers to Bozeman, Billings, Custer BNM, Missoula. Johnston returned from leave; to Custer BNM. Joffe to Helena, Billings, Custer BNM, & with Condon to Livingston Rotary. Mattson returned from leave; to Custer BNM with Wiggins; to Omaha. Demaray now Director, Wirth Associate Director & Ronald Lee Assistant Director. Snowplowing operations. Contract awarded Custer sewer system. PTA election.
	1 - 2
<u>INSPECTIONS:</u>	Victor Morris, Arnold Pavey, Maynard Barrows, Wm. Dunn, James Simon & Noble Gregory in.
	3
<u>IN-SERVICE TRAINING:</u>	Weekly Newsletter.
	3
<u>PUBLICITY:</u>	150,000 1951 broadsides to be received; 160,000 1950 issue on hand. Y. P. Co. folders. Releases on opening dates.
	3
<u>PLANS, MAPS AND SURVEYS:</u>	Hursh & Rowe on leave. Hursh transferred to Crater Lake.
	3
<u>MAINTENANCE:</u>	Crews at Mammoth. Snow plowing; going well; west side opened 28th. Road breakup. Reprocessing Mammoth to Gardiner. Rotary plow driven from Iowa. Crew marking center line of road.
	3
<u>CONSTRUCTION:</u>	South road projects dormant but contractor moving in tractors. Active projects listed.
	4
<u>CONCESSIONERS:</u>	Medical rates approved. Mr. Haynes, Mrs. Pryor & Hamilton crew moved in. Huntley Child returned from California trip made due death of mother.
	5
<u>RELIGIOUS SERVICES AND CHAPEL USE:</u>	Sunday School; new program. Church services. Church Committee makes plans; student ministers.
	5
<u>INTERPRETIVE SERVICES:</u>	Trails gone over; plans for labeling. Signs. Article on Molly Island birds reviewed. Talk to Livingston Rotary.
	5



<u>MUSEUM ACTIVITIES AND EXHIBITS:</u>	Preparation museum survey cards. Museums checked. Review maps for Custer BNM.	Page 6
<u>RESEARCH AND OBSERVATION:</u>	David Beal to Norris for thesis material. Various birds seen. Bison observed. Bears seen. Thermal activity.	6 - 8
<u>NATURAL HISTORY ASSOCIATION:</u>	Sales publications stock. Topo. maps received in bad condition. New book "Steve Mather of the National Parks". Forms prepared book sales records. Power tools ordered. Nature Notes.	8
<u>INCREASE OR DE- CREASE IN TRAVEL:</u>	2195 in 791 cars; 1915 in 671 cars last April; 15.1% increase. West side road open 28th.	8
<u>VISITORS:</u>	Wm. Clavier, N.F.F.E., in. Childhood Educational Party group in.	9
<u>RANGER SERVICE:</u>	Skinner & Evans to Livingston re coyote program. Trail maps & program, west side road patrols, fish plants, cleaning ditches, etc.	9
<u>WILDLIFE AND FISH ACTIVITIES: FISH:</u>	Fish plants made. Changes in fishing regulations approved.	9
<u>BEAR TRAPS:</u>	Traps mounted on 2-wheel trailers.	10
<u>RODENT CONTROL:</u>	Numerous rodents destroyed.	10
<u>ELK:</u>	Annual Elk Report submitted.	10
<u>FOREST FIRE PROTECTION:</u>	Anderson & Chapman to Missoula re firefighter rates & smokejumper unit. Job descriptions for smokejumpers. Plans lease West Yell. airport hangar. Fire school program.	10
<u>BLISTER RUST CONTROL:</u>	Portion Canyon B. R. storehouse collapsed due snow. Sketches for blister rust display.	10
<u>TRAILS:</u>	Selection personnel; difficult get foremen. Trail tool cache remodeled.	11
<u>GROUND:</u>	Work on horse trailers, riding & pack equipment.	11
<u>BUILDING FIRE PROTECTION:</u>	Inspection. Revision fire brigade. Evacuator being purchased. Extinguishers.	11
<u>ACCIDENTS:</u>	2 auto accidents Gallatin road.	11
<u>LAW ENFORCEMENT:</u>	No cases. Commissioner away all month.	11
<u>DEATHS:</u>	Death of Mrs. Emilie James Child.	12



INVESTIGATION  
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Investigation was made by the following persons:  
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Field work was done by the following persons:  
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<u>PERSONNEL:</u>	
Kittams & Vladimiroff on military leave.	
Seasonal appts. Shirley Wohlbrandt, Clerk-Steno.;	
Thomas Close, Storekeeper; Elizabeth McGinnis,	
Clerk-Steno. Lemely Oates eod as Blacksmith.	
Gerald Rowe promoted to Engineer (Civil), GS-7.	
Arnold Quist returned from trade school. Robert	
Hursh transferred to Crater Lake.	12
 <u>MISCELLANEOUS:</u>	
F.E.U. meeting; talk by Wm. Clavier, National	
Representative. Library dessert bridge. PTA	
white elephant sale. A.F.G.E. meeting. Election	
Sunday School Board.	12

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

VICE OF THE SUPERINTENDENT

May 7, 1951

Memorandum

To: The Director

From: Superintendent, Yellowstone National Park

Subject: Monthly Report for April 1951

Following is the report of activities for Yellowstone National Park during the month of April 1951.

Weather Conditions. Precipitation for the month was slightly higher than the previous five-year average. The total precipitation recorded was 1.44 inches as compared with 1.79 inches for 1950, 0.76 inches for 1949, 1.17 inches for 1948, 1.09 inches for 1947 and 0.36 inches for 1946.

Maximum temperature for the headquarters area occurred on the 13th with a recording of 64°. The minimum temperature occurred on the 1st with a recording of 16°.

In general, snowdepths over the park ranged slightly below the normal of the past five-year period. At the end of the month the rotary snowplows were well into the road opening operation.

Special Activities. Superintendent Rogers made trips to Bozeman on April 12 and 16 to visit the library in connection with his project covering the legislative history of National Park Service areas and to confer with park concessioner J. E. Haynes. On April 18 a trip was made to Custer Battlefield National Monument accompanied by Administrative Assistant Joffe to review work there in connection with the new museum and sewer system, spending the night in Billings and attending the Fourteenth Annual Cooperation Dinner sponsored by the Billings Commercial Club, returning to the park on the 19th. Another trip was made to Billings on the 23rd to confer with Regional Director Baker, returning to the park on the 24th. On the 25th a trip was made to Missoula to speak before the Rocky Mountain Section of the American Foresters on "National Parks and River Basin Development. Superintendent Emmert of Glacier National Park also attended the meeting and spoke on the same subject. Superintendent Rogers returned to Yellowstone on the evening of the 26th.

Assistant Superintendent Johnston returned to duty from annual leave on April 3, having left the park on March 16. On April 11 he made a trip to Custer Battlefield National Monument to discuss an REA electric contract and to inspect work on the new museum and sewer system, returning on the 13th.

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

OFFICE OF THE SUPERINTENDENT

REPORT

TO THE SECRETARY OF THE INTERIOR

FOR THE YEAR 1904

BY THE SUPERINTENDENT

WASHINGTON: GOVERNMENT PRINTING OFFICE: 1905

CONTENTS

Introduction 1  
General Statement 2  
Administration 3  
Financial Statement 4  
Miscellaneous 5

General Statement 6  
Administration 7  
Financial Statement 8  
Miscellaneous 9

General Statement 10  
Administration 11  
Financial Statement 12  
Miscellaneous 13

General Statement 14  
Administration 15  
Financial Statement 16  
Miscellaneous 17

General Statement 18  
Administration 19  
Financial Statement 20  
Miscellaneous 21

General Statement 22  
Administration 23  
Financial Statement 24  
Miscellaneous 25

General Statement 26  
Administration 27  
Financial Statement 28  
Miscellaneous 29

General Statement 30  
Administration 31  
Financial Statement 32  
Miscellaneous 33

General Statement 34  
Administration 35  
Financial Statement 36  
Miscellaneous 37



Administrative Assistant Joffe went to Helena on April 8 to participate in the Montana Travel Counselors School sponsored by the Montana Highway Department, returning to the park on the 10th. On April 16 he and Park Naturalist Condon attended Rotary in Livingston at which meeting Mr. Condon was the speaker and talked on the Naturalist Division and his work in the park. On the 18th Mr. Joffe accompanied Superintendent Rogers to Custer Battlefield National Monument to confer with Superintendent Luce on personnel and other matters and to look over the new museum and sewer system, attending the Fourteenth Annual Community Cooperation Dinner in Billings that night and returning to the park the next day.

Resident Landscape Architect Mattson returned from annual leave on April 5, having left on March 28. He and Sanitation Officer Wiggins made a trip to Custer Battlefield National Monument on April 17 in connection with the new museum and sewer system, returning on the 19th, and on the 28th he left for Omaha for an assignment of a week in the Region Two Office in connection with Yellowstone and Grand Teton matters. He expected to return May 7.

Associate Director Arthur E. Demaray took over the Directorship of the National Park Service on April 1 succeeding Newton B. Drury. Assistant Director Conrad L. Wirth succeeded Mr. Demaray as Associate Director and Chief Historian Ronald F. Lee was promoted to the Assistant Director vacancy succeeding Mr. Wirth.

The park snowplows started opening the road to Dunraven Pass on April 3 to provide late skiing on the Mt. Washburn slopes and on April 4 they started opening the road to Old Faithful in order that Yellowstone Park Company employees could get out there to repair a leaking oil tank which was discharging oil into the Firehole River. They reached Old Faithful on the 6th. Regular spring plowing started on April 9 toward West Yellowstone and also toward Canyon, Lake and the East and South Entrances. On the 23rd the road was cleared to West Yellowstone and on the 28th travel was permitted on the west side of the park to Old Faithful and West Yellowstone. By the end of the month the plows were six miles south of Thumb and fifteen miles east of Lake Junction.

Bids were opened in the Chief Clerk's Office on April 3 for the construction of a new sewer system at Custer Battlefield National Monument. Flynn and Holland of Billings, Montana, was the low bidder with a bid of \$8,081.50 and award was made to this contractor.

The Mammoth Parent Teachers Association held an election on April 10 for the coming year and elected Walter H. Kittams as President, Mrs. Cleo Estey/Vice-President, Mrs. Alberta Stebbins, Second Vice-President, Mrs. Virginia Fuller, Secretary, and Mrs. Agnes Stanton, Treasurer.





Inspections. Victor E. Morris, newly appointed head of the Montana Employment Office in Livingston, came to the park on April 20 with his predecessor, Arnold Pavey, to discuss the employment situation for the summer.

Maynard Barrows, Forester, Region Two, in April 24, out 26.

William Dunn, Supervisor for the Fish and Wildlife Service in the park, arrived with a crew on April 25 and proceeded to the lake.

James Simon and Noble Gregory of the Jackson Hole Wildlife Park, Moran, Wyoming, in April 27.

In-Service Training. The Weekly Newsletter was issued each Thursday during the month to keep employees, concessioners and others currently informed on park happenings.

Publicity. Notice was received from the Washington Office on April 3 that 150,000 copies of the Yellowstone broadside were to be furnished the park, to be available within four to six months. A total of 160,000 Yellowstone broadsides for 1950 remained on hand at the end of the month.

The first supply of "Accommodations and Services" leaflets for 1951, printed at the Yellowstone Park Company print shop at Mammoth, was furnished us on April 2. The "A" and "B" Folders issued by the Yellowstone Park Company are now in the hands of the printer and should be available early in May.

A press release was sent out to the park's mailing list on April 5 concerning the opening of roads and facilities in the park and another press release was sent to the Associated Press and United Press and to some of the newspapers in the vicinity of the park on April 24 concerning the opening of the roads on the west side of the park on April 28.

Plans, Maps and Surveys. Both Assistant Engineers Hursh and Rowe spent two to three weeks on annual leave and Mr. Hursh departed on April 27 for transfer to Crater Lake National Park.

Maintenance. A small maintenance crew worked out of Mammoth the entire month cleaning ditches, opening culverts, etc. A small crew cleaned and repaired sidewalks around the Mammoth area and a third small crew started treating and placing guardrails.

On April 9 the regular spring snow removal operations got underway. Plowing was exceptionally good with normal depths but very little icy conditions. By using the new rotary just received it was possible to plow the roads almost shoulder to shoulder. By the end of the month plows were six miles south of Thumb and fifteen miles east of

Investigation. Victor E. Smith, head of the Montana Employment Office in Livingston, came to the park on April 20 with his fiancée, Arnolda Lewis, to discuss the employment situation for the summer.

Regional Director. Regional Director (Mr.) J. H. ...

William Lewis. Supervisor for the Fish and Wildlife Service in the park, arrived with a crew on April 25 and proceeded to the lake.

James Brown and John Gregory of the Jackson Hole Wildlife Park, Moran, Wyoming, in April 27.

In-Service Training. The weekly Nevada Game and Fish Service training during the month to keep employees, conservationists and others currently informed on park happenings.

Publicity. Notice was received from the Yellowstone Park Co. on April 3 that 150,000 copies of the Yellowstone brochure for 1950 were furnished the park, to be available within four to five weeks. A total of 100,000 Yellowstone brochures for 1950 remained in stock at the end of the month.

The first supply of accommodations and necessary facilities for 1951, printed at the Yellowstone Park Co. print shop in Bozeman, was furnished us on April 2. The 1951 "Yellowstone" brochure is now in the hands of the printer and should be available early in May.

A press release was sent out to the press, telling that on April 5 concerning the opening of roads and facilities in the park and another press release was sent to the Associated Press in initial form and to some of the newspapers in the vicinity of the park on April 14 concerning the opening of the roads on the east side of the park on April 28.

Flora, Fauna and Game. Both Axel and ... have spent two to three weeks on annual reports and ... April 27 for transfer to Greater Lake National Park.

Maintenance. A small maintenance crew worked out of ... the entire month cleaning, opening, etc. A small crew cleaned and repaired ... the month ... and a ... crew started ... and placing ...

On April 9 the regular spring snow removal operations were underway. Flowing was exceptionally good with normal depths but very little ice conditions. By using the new rotary first received it was possible to flow the roads almost shoulder to shoulder at the end of the month flows were six miles south of Teton and fifteen miles east of ...



Lake Junction. The West side of the park to Old Faithful and West Yellowstone was opened to travel on April 28.

Frost boils and temperature cracks are extremely numerous this spring and will cause considerable breakup of road surface.

On April 23 three graders were started on reprocessing a section of the Mammoth to Gardiner road but rain, snow and cold weather held up the operation.

The new 3-auger rotary snowplow was driven out from Dubuque, Iowa, reaching the park on April 15 and was put into operation immediately.

The Mammoth road camp was the only one open at the end of the month with the exception of the snow crew at Lake.

Assistant Engineer Rowe is running a crew marking the center line of the road for center-line striping operations.

The maintenance crews consisted of five mixed gang foremen and twenty-eight truck drivers and laborers by the end of the month.

New Construction. The two going road construction grading and base surfacing projects on the south approach road were dormant during the month but reports were received on April 18 that Jones and Company were moving two tractors to their job on Unit 1 of the south approach road. Construction projects active during the month consisted of:

Account 231.01, Repair Heating Plant, Building 34.--This job was accomplished by contract and is complete except for some back fill to be placed over the fuel line.

Account 231.02, Repair Heating Plant, Building 13.--Under contract. The contractor has been moving some material in for the job.

Account 231.03, Re-roof Building No. 20, Storage Shed.--Work 100% complete.

Account 231.04, Re-roof Building No. 21, Storage Shed.--Work about 15% complete.

Account 231.05, Re-roof Building No. 22, Plumbing Shop.--Work 100% complete.

Account 323.08 and 323.10, Walks, Barriers, Gratings and Signs in Thermal Areas.--Project about 85% complete. Walks prefabricated but will be hauled out as soon as snow leaves.

Account 333.01, Campground Extension, Fishing Bridge and Old Faithful.--Project 85% complete.



Concessioners. The rates for the medical service for the park were approved in the Washington Office on April 2.

The Yellowstone Park Company renewed work on the Mammoth Laundry on April 4 and opened its mess at Mammoth on the 17th.

Mr. J. E. Haynes was a visitor in the park on April 11 and on April 18 he moved his office from Bozeman to Mammoth.

Trev Povah, Vice-President of Hamilton Stores, Inc., arrived in the park on April 20 and on April 24 Gar Helppie, Manager for Hamilton Stores, Inc., moved into Old Faithful with a crew via Gardiner.

Mrs. Anna K. Pryor, President, Pryor Stores, Inc., arrived in the park on April 22.

Huntley Child, Manager of Lodges and Camps for the Yellowstone Park Company, returned to the park on April 24, having been called to California on April 8 due to the death of his mother.

Religious Services and Chapel Use. The regular Sunday School services were held in the Chapel each Sunday at 10:30 a.m. The Sunday School program was altered to a class system on the first Sunday of the month. The teachers for the new plan are: Mary Armstrong and Betty Galle, Beginners; Betty Ela, Primary; Virginia Fuller, Intermediate and Junior; and Robert Upton, the Adult Bible Class.

The Reverend E. A. Syms conducted non-denominational Protestant services on the evenings of the 8th and 22nd. On the 29th he conducted a general Communion service for all persons interested.

The Reverend Webster Clement conducted Lutheran services at 7:30 p.m. on the evening of April 30.

A meeting of the Church Committee on April 16 laid plans for the religious services program for the 1951 season. The student minister program for Protestant services used last season will be in effect again this year with Warren Ost returning from Princeton Seminary and bringing with him Henry Strock. Plans are that their first service will be held Sunday June 10.

Interpretive Services. On the 9th Park Naturalists Upton and Condon went over the self-guiding nature trails at Old Faithful, Norris and Mammoth. The length of these were measured and plans made for properly labeling them. During the month the text for introductory signs to these trails was prepared by the Chief Park Naturalist.

A review of the place name signs and informational signs damaged or missing was made for the hydro-thermal areas and a request made for a total of fifty-three porcelain place name signs.



Commissioner. The report for the year 1934 was approved in the Washington Office on April 12.

The Jefferson Park Company, which was organized on April 4 and opened the park at 10:00 a.m. on April 12.

Mr. J. H. Hayes was a visitor in the park on April 12. He moved his office from the old building to the new one on April 12.

Three boys, Vice-presidents of the Jefferson Park Company, were in the park on April 12 and on April 13. They were in the park on April 12 and on April 13. They were in the park on April 12 and on April 13.

Mr. J. H. Hayes was a visitor in the park on April 12. He moved his office from the old building to the new one on April 12.

Jefferson Child, son of Mr. J. H. Hayes, was in the park on April 12. He was in the park on April 12. He was in the park on April 12.

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The Jefferson Park Company was organized on April 4 and opened the park at 10:00 a.m. on April 12.

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A meeting of the Jefferson Park Company was held on April 12. The meeting was held on April 12. The meeting was held on April 12.

Jefferson Child, son of Mr. J. H. Hayes, was in the park on April 12. He was in the park on April 12. He was in the park on April 12.

A review of the place name signs and other signs was made for the Jefferson Park Company. The review was made for the Jefferson Park Company.



An article on the Molly Island Bird Rookeries by Eddie J. Brown was reviewed by the Chief Park Naturalist and it was suggested that the article be rewritten to be consistent with the correction of facts which were supplied to Mr. Brown.

Chief Park Naturalist presented a talk to the Livingston Rotary Club on the 16th, the subject discussed being the "Work of a Park Naturalist in Yellowstone Park".

Museum Activities and Exhibits. A complete set of museum survey cards were prepared during the month on the park's five museums. Upon completion these were sent to the Region Two Office for review and transmittal to the Director's Office.

All museums were checked during the month and found to be in good condition, with no damage having been done during the winter by rats, squirrels or leaking roofs. Plans were made to get all structures ready for opening in May and early June.

A review was made of the Historic Base Map and Troop Position Map for the Custer Battlefield National Monument. Several changes were suggested in order to make the map more accurate.

Research and Observation. Park Ranger Naturalist David Beal was in the park at the Norris Geyser Basin from the 13th to 16th and again from the 27th to 29th. Mr. Beal is working up a Masters thesis problem in zoology on the relationship of animal life forms to the hydrothermal areas in the basin.

On field trips made on the 1st, 9th, 25th and 30th an interesting array of observations were made by the three Naturalists. Other observations were made on weekend trips into the park. The bird life has returned for spring nesting and the following have been observed: Blue Heron on the Gibbon, Firehole and Yellowstone Rivers and in the glacial potholes near Mammoth. Pairs of Sandhill Crane have been seen at Nymph Lake, Elk Park, Lower Geyser Basin, Gibbon Meadows and in Hayden Valley. Golden Eagle were seen at Mammoth, Oxbow Creek, Lower Geyser Basin and Madison River, Bald Eagle along the Madison River and in Hayden Valley near Alum Creek. Eighty-seven Canadian Geese were counted between Mammoth and Old Faithful on the 9th. Pairs of Trumpeter Swan have been seen on Trumpeter Lake, Beaver Lakes, Nymph Lake and South Twin Lake. Harlequin Ducks have been frequenting the Yellowstone River near the Yellowstone bridge on the Cooke road and also the LeHardy Cascades area. The Osprey returned to Eagle Nest Rock on the 31st of March when they were observed by Mr. Joffe; they were nesting at the month's close. By the end of the month Chipping Sparrows, Bluebirds, Redwing Blackbirds, Western Robins, Meadowlarks, Western Tanagers, Northern Violet Green Swallows and a variety of other species had returned and were busy with their nesting activities.

an article on the Holly Island and Lagoon. The article was reviewed by the Chief Park Naturalist and it was suggested that the article be rewritten to be consistent with the following facts which were supplied to Mr. Brown.

Chief Park Naturalist presented a note to the Division Botany Club on the 18th, the subject animal and being the Holly Island Park Naturalist in Yellowstone Park.

Various activities and wildlife, a collection of mammals, survey cards were prepared during the month of the park's life history. Upon completion these were sent to the Region Two Office for review and transmitted to the Director's Office.

All mammals were checked during the month and found to be in good condition, with no damage having been done during the month of the survey. Animals were also to be all mammals ready for opening in May and early June.

A review was made of the historic area and the historic map for the Greater Battledore National Monument. Several changes were suggested in order to make the map more accurate.

Research and Observation. Chief Park Naturalist Brown was in the park at the Greater Battledore from the 13th to 15th and again from the 17th to 19th. He was working up a list of birds, problems in zoology on the relationship of animal life forms to the hydrothermal areas in the park.

On field trips made on the 14th, 15th and 16th in the eastern array of observations were made by the Chief Naturalist. Other observations were made on weekend trips into the park. The first trip has returned for spring nesting and the following have been observed: Blue Heron on the Gibbon, Rimrock and Yellowstone Rivers and in the Glacier foothills near Mammoth. Lake of Goodwill cranes have been seen at Warm Lake, Elk Park, Lower Geyser Basin, Golden Lake and in Hayden Valley. Golden Eagle were seen at Mammoth, Gibbon Creek, Lower Geyser Basin and Madison River. Bald Eagle along the Madison River and in Hayden Valley near Alum Creek. Fifty-seven Canada geese were counted between Mammoth and Old Faithful on the 14th. A pair of trumpeter swan have been seen on Trumpeter Lake, Beaver Lake, Elk Lake and South Twin Lake. Herring Gulls have been nesting the Yellowstone River near the Yellowstone bridge on the Goose foot and also the following Cascades area. The Geese returned to Eagle Lake on the 14th of March when they were observed by Mr. Joffe they were nesting at the month's close. By the end of the month Chipping Sparrows, Bluebirds, Redwing Blackbirds, Western Robins, Meadowlarks, Western Tanager, Northern Violet green swallows and a variety of other species had returned and were busy with their nesting activities.



On a trip as far as Sedge Creek on the 25th by Naturalists Condon and Watson, 53 bull bison were seen in the area from Canyon to Sedge Creek, the greatest number being concentrated at Mary Bay on the east shore of Yellowstone Lake. The bison and elk in Hayden Valley, along the lake shore, down the Madison River and in the geyser basins all appear to be in much poorer physical condition than the animals in Lamar Valley and on the northern range areas. All of the animals in these areas seem to be feeding all of the time in an attempt to catch up on their depleted physical reserves. Along the lake shore, the Madison Valley and in the Lower Geyser Basin large areas are very comparable to cattle feed yards for there are thousands of black mounds of buffalo chips. These areas have been used hard by bison and elk all winter and are being grazed close now. The bison have badly scarred the roadside trees in the vicinity of Madison Junction and for some distance toward West Yellowstone.

The first bear observed by a member of the Naturalist Division was seen on the Mammoth Terraces on the 15th by Upton. Several have been seen since that date. George Marler watched a grizzly mother and three yearling cubs feeding on the carcass of an elk about one-half mile below Madison Junction on the 30th.

A total of seven moose were seen in Willow Park on the 9th. Others were seen on later trips.

The thermal activity in the various areas has shown some change over the winter months. On the Mammoth Terraces the four new spring vents on Prospect Terrace between Cheops Mound and the Buttress are still very active and promise to be an outstanding attraction for all parties going over the terrace loop road. Their close proximity to the road and the absence of space for parking will undoubtedly create a protection problem of considerable importance. The Minerva and Palette Springs are very active with their water flow covering an extensive area and creating a series of beautiful terraces. The rock and concrete walls which controlled the flow of two springs at the base of the terraces have been torn out and the water now permitted to flow to the north is creating an outstanding mass of algal coloring.

In the Upper Geyser Basin the major geysers are apparently erupting with the regularity of last season for the Daisy, Riverside, Grand, Beehive, Lion, Plume, Castle and Old Faithful have been observed in eruption. The Giant was reported to have erupted early in the month. The Morning Glory Pool was exceedingly beautiful early in the month with a pure white throat, deep blue depth and a brilliant algal border; this has been altered at the month's end for with the melting snows the organic stained surface water has entered the plumbing system of this pool, the Fan Geyser and other pools of the Upper Basin to contaminate them with amber coloring and a strong organic smell in the steam vapors. This has occurred in the past in springtime and will undoubtedly clear up by about the first of June.

On a trip as far as Lodge Creek on the 15th by automobile  
 Gordon and Watson, 2) full blown were seen in the same area Canyon  
 Gorge Creek, the greatest number being concentrated at the top of the  
 east shore of Yellowstone Lake. The horses and in the valley  
 along the lake shore, down the Madison River and in the valley to the  
 will appear to be in much poorer physical condition than the animals  
 in the valley. All of the animals in the valley are in the  
 those areas seem to be feeding all of the time in an effort to  
 up on their depleted physical reserves. Along the lake shore the  
 Indian Valley and in the lower Gorge Basin horses are very com-  
 parable to cattle feed there and the quality of their feed is  
 but a single. These areas have been used by horses and all of  
 winter and are being grazed close now. The horses have been  
 the roadside trees in the vicinity of Madison Junction and for some  
 distance toward West Yellowstone.

The first bear observed by a member of the Madison  
 Division was seen on the 15th between the 15th and 16th by  
 several have been seen since that date. George Miller observed a  
 grizzly mother and three yearling cubs feeding in the canyon of an  
 elk about one-half mile below Madison Junction on the 10th.

A total of seven horses were seen in Indian Park on the 21st.  
 Others were seen on later trips.

The thermal activity in the various areas has about the same  
 change over the winter months. On the whole the horses have been  
 spring vents on prospect terraces between Gorge Basin and the lake  
 are still very active and promise to be an outstanding attraction for  
 parties going over the terrace loop road. Their close proximity to the  
 road and the absence of space for parking will undoubtedly create a  
 protection problem of considerable importance. The horses and  
 horses are very active with their water flow covering an extensive  
 and creating a series of beautiful terraces. The rock and some  
 walls which controlled the flow of two springs at the base of the  
 terraces have been torn out and the water now permitted to flow to the  
 north is creating an outstanding mass of algal coloring.

In the Upper Gorge Basin the major geysers are apparently  
 erupting with the regularity of last season for the Madison River  
 Grand, Beehive, Lion, Flame, and Old Faithful have been observed  
 in eruption. The giant was reported to have erupted early in the month.  
 The fountain glow pool was exceedingly beautiful only in the month  
 with a pure white throat, deep blue depth and a brilliant light power  
 this has been altered at the month's end for with the melting snow the  
 organic stained surface water has entered the pumping system of this  
 pool, the Pan Geyser and other pools of the Upper Basin to contribute  
 them with earlier coloring and a strong organic smell in the water vapor.  
 This has occurred in the past in springtime and will undoubtedly occur  
 up by about the first of June.



The Fountain Geyser, Morning Geyser and Clepsydra Geyser in the Lower Geyser Basin show no evidence of having erupted during the winter months. Algae are growing out some distance into Clepsydra Geyser's pools; the Fountain Geyser has taken on a heavy algal growth on the walls of the basin and at the present time is a thing of outstanding emerald green beauty.

The Round Spring in the Lower Basin has resumed activity after two years of dormancy; it is now hotter, flowing more water and boiling more violently than Condon can remember seeing it in the past twenty years.

Natural History Association. The Yellowstone Library and Museum Association have on hand the sales publication stock for the 1951 season with the exception of Haynes Guide books which are obtained as needed during the season. Park Naturalist Watson has devoted considerable time to preparing sales stocks for Mammoth, Old Faithful and Fishing Bridge.

One thousand six hundred topographic maps were badly packed and poorly handled in transit through the mails. These were so damaged that the Association is now negotiating with the Superintendent of Documents concerning them.

One new book has been added to the sales list. This is "Steve Mather of the National Parks" by Shankland. The book on National Parks by Freeman Tilden is yet to be examined before a stock for resale is obtained.

Several new forms for keeping records on book sales were planned and multilithed during the month.

The Executive Secretary ordered power tools for a museum work shop and delivery of these is expected right after the first of May.

The Association multilith was used for the publication of the March-April issue of Nature Notes which was placed in the mail on April 5.

Increase or Decrease in Travel. Travel was 15.1% ahead of April 1950 with a total of 791 entering vehicles as compared to 671 of April 1950. The total passengers for this month was 2,195 as compared to 1,915 of the same month in 1950.

The highway from the West Entrance to Old Faithful and the North Entrance opened on April 28, the same date that the road was opened to public travel last season.

The Mountain Geese, Mountain Geese and Mountain Geese in the lower Geese basin show no evidence of having been there in winter months. Algae are growing and the lake is open. Geese's pool; the Mountain Geese has been on a large lake on the walls of the basin and at the present time it is standing around a small stream.

The second spring in the lower basin has a small stream after two years of dormancy; it is now flowing. Following water on boiling some violently than London can remember seeing it in the past twenty years.

Natural History Association. The Yellowstone Library and Museum Association have on hand the book publication about for the 1951 season with the exception of a few books which are being considered during the season. Park Natural History Association is considerable time to preparing sales books for the season. The National Fishing Bridge.

One thousand six hundred topographic maps were being printed and poorly handled in transit through the mail. There was no doubt that the Association is now negotiating with the Government of Documents concerning them.

One new book has been added to the sales list. This is "Seven Years of the National Park" by Hamilton. The book on National Parks by Freeman Allen is yet to be examined before a book for resale is obtained.

Several new forms for keeping records on book sales were planned and utilized during the month.

The Executive Secretary ordered four more for the month and delivery of these is expected right after the first of May.

The Association membership was used for the publication of the March-April issue of Nature Notes which was placed in the mail on April 5.

Income on Passports in Travel. Travel was \$1,114 and of April 1950 with a total of 701 entering vehicles as compared to \$1,011 April 1949. The total passengers for this month was 2,195 as compared to 1,915 of the same month in 1949.

The highway from the West Entrance to Old Faithful and the North Entrance opened on April 28, the same date that the road was opened to public travel last season.



Visitors. William Clavier, National Representative, National Federation of Federal Employees, Washington, D. C., in April 2 and talked at the meeting of the Federal Employees Union local. He departed on April 3.

Thirty-three members of the Childhood Educational Party visited the park on April 2, the trip to the park from Livingston having been sponsored by the Northern Pacific Railway.

Ranger Service. Chief Ranger Skinner and Assistant Chief Ranger Evans went to Livingston, Montana, on the 11th to discuss the coyote control program with the Montana Fish and Game Commission, the Forest Service, the Fish and Wildlife Service and members of the Absaroka Conservation Committee.

Extensive work was placed on the revision of the park trail maps and revision of the trail construction and maintenance program during the month. The project of repairing and cleaning the irrigation ditches in the Stevens Creek area was partially completed during the month. The corrals at Stevens Creek Ranger Station were repaired and sections replaced as needed. Three new bear traps were constructed during the month and made ready for summer use. Summer stations were made ready for the coming season as the snowplows opened the park roads. Patrols of the park roads to Old Faithful and the West Entrance were initiated effective the 28th. Fish plants were made in the Firehole and Madison Rivers on the 19th and 20th. Considerable work was accomplished in the Chief Ranger's Office relative to preparing for the coming summer season. Old and new seasonal personnel were hired, manual revisions were prepared and forms were mimeographed for summer use.

Wildlife and Fish Cultural Activities. FISH. The Fish and Wildlife Service hatchery furnished 92,500 #2 loch leven trout which were planted in park waters on April 19-20 as shown below:

<u>Water Stocked</u>	<u>Number</u>	<u>Size</u>	<u>Date Planted</u>
Firehole River	50,000	2	April 19
Madison River	22,500	2	April 20
Gibbon River #1	20,000	2	April 20

The three streams are not subjected to severe spring flooding conditions and are planted as early as possible each season while water temperatures are comparatively low. Mid-summer planting is not desirable as these streams, which drain the large thermal areas, become too warm for small trout to make the necessary adjustment to water much warmer than that at the various hatcheries.

Several changes in the fishing regulations, the most important of which were closing the Madison, Firehole and Gibbon Rivers and Squaw Lake to fly fishing only, were approved by the Secretary of the Interior on April 20.

Mr. J. H. ... of the ...  
 ... of the ...  
 ... on April 3.

Thirty-three members of the ...  
 the park on April 1. The trip to the park from ...  
 sponsored by the Northern Pacific Railway.

... Ranger Service, the Fish and Wildlife Service and members of the ...  
 Conservation Committee.

Intensive work was placed on the ... of the park ...  
 and revision of the ...  
 during the month. The project of ...  
 ditches in the Stevens Creek area was ...  
 month. The corral at Stevens Creek Ranger Station was ...  
 sections replaced as needed. There was but one ...  
 during the month and made ready for ...  
 made ready for the coming season as the snow ...  
 patrols of the park roads in Old ...  
 initiated effective the 28th. ...  
 Madison River on the 19th and 20th. ...  
 in the Chief Ranger's Office relative to ...  
 season. Old and new seasonal personnel were ...  
 were prepared and forms were ...

Wildlife and Fish Cultural Activities ...  
 Wildlife Service hatchery ...  
 were planted in park waters on April 19-20 as shown below:

Water Stocked	Amount	Size	Date Planted
Missouri River	20,000	2	April 19
Madison River	22,500	2	April 20
Gibson River #1	20,000	2	April 20

The three streams are not expected to receive spring floodings ...  
 conditions and are planted as early as possible each season while water ...  
 temperatures are comparatively low. This season planting is not ...  
 side as these streams, which drain the same thermal areas, ...  
 were for small trout to make the necessary adjustment to water much ...  
 warmer than that at the various hatcheries.

Several changes in the fishing regulations, the most important ...  
 of which were closing the Madison, Missouri and Gibson rivers and ...  
 Lake to fly fishing only, were approved by the majority of the ...  
 on April 20.



BEAR TRAPS. The four-wheel trailers, on which the four park bear traps were mounted, were discarded and three of the traps were transferred to improved type two-wheel trailers. The fourth trap will be rehabilitated and mounted on a two-wheel trailer when required materials become available.

RODENT CONTROL. In accordance with recommendations of the Public Health Service, control of ground squirrels and marmots was resumed in developed areas where these rodents had emerged from hibernation. Cold weather and frequent storms hampered this work which will be intensified during May. Rodents were destroyed as follows:

<u>Location</u>	<u>Ground Squirrels</u>	<u>Marmots</u>
Old Faithful	15	2
Mammoth	62	
Tower Falls	161	2

ELK. The annual elk report, covering the operations carried on during the winter of 1950-51, was submitted on April 10. Completion of the report was delayed until an estimate of the natural mortalities could be made and recommendations formulated for the management program for next winter.

Forest Fire Protection. On April 4, 5 and 6 Chief Clerk Anderson and Assistant Chief Ranger Chapman made a trip to Missoula to attend the annual meeting sponsored by the U. S. Forest Service to consider firefighting rates and to discuss with Forest Service officials the proposed smokejumper unit for Yellowstone which will be based at West Yellowstone.

Job descriptions are being written and the necessary work is being accomplished for the establishment of the smokejumper positions.

Negotiations are being made with the Western Airlines to lease their hangar facilities at the West Yellowstone airport. The Engineering Division is building four tables which are necessary for the smokejumpers to use in packing their parachutes.

The program for a fire training school to be held May 10 and 11 was prepared. The various instructors have been assigned and work is being accomplished in preparation for the training sessions.

Blister Rust Control. This spring heavy winter snows caused a portion of the Canyon Blister Rust Storehouse to collapse despite the fact that this building was braced. Emergency funds have been requested as this building is very essential for conducting the control work efficiently.

Preliminary sketches for a blister rust display were made by Landscape Architect Mattson for placement at Dunraven Pass to enlighten the public regarding the blister rust control project.

BEAR TRAPS. The four wheel traps, on which the bear traps were mounted, were discarded and traps of the same type transferred to improved type two-wheel traps. The traps were to be rehabilitated and mounted on a two-wheel trap which was to be made available.

ROBERT COOPER. In connection with reconstruction of the Public Health Service, control of forest fires and control of the weather in developed areas where these students are sent from their nation. Cold weather and frequent storms caused this work to be intensified during the winter. Students were destroyed as follows:

Location	Ground	Number
Old Station	15	2
Memphis	62	2
Lower Falls	163	2

W. The annual elk report, covering the operation of the on during the winter of 1950-51, was submitted on April 10. The report of the report was delayed until an estimate of the annual production could be made and recommendations forwarded for the management of the for next winter.

Forest fire protection. On April 1, 1951, a fire started in the Anderson and Assistant Chief Ranger Chapman made a trip to the forest to attend the annual meeting sponsored by the U. S. Forest Service. Considerable firefighting action was taken with forest fires. The proposed smokejumper unit for Yellowstone was to be based at Yellowstone.

Job descriptions are being written and the second part of the being accomplished for the establishment of the smokejumper conditions.

Negotiations are being made with the Western Division to lease their Ranger facilities at the Yellowstone airport. The Engineering Division is building four tables which are necessary for the smokejumpers to use in packing their personnel.

The program for a fire training school to be held July 10 and 11 was prepared. The various instructors have been assigned and work is being accomplished in preparation for the training sessions.

Blister Rust Control. This spring heavy winter snow covered a portion of the Canyon Blister Rust Stations to collect rust. The fact that this building was placed. The rust has been removed as this building is very essential for conducting the control work efficiently.

Preliminary sketches for a Blister Rust Station were made by Landscape Architect for placement of Blister Rust Station. The public regarding the Blister Rust Station project.



Trails. Trail maintenance work will start on May 7, weather permitting. The early trail work will be limited to the lower elevations due to deep snow remaining over most of the park trails. Limited funds will only permit light maintenance until July 1. Personnel has largely been selected for the trail work program with the exception of foremen. Difficulty is being experienced in locating qualified foremen who are willing to live in tents in the more remote areas of the park. The trail tool cache at headquarters was completely remodeled including the installation of a floor, tool racks and arranging the equipment in a systematic order.

Grounds. Maintenance work continued on the remodeling and repairing of all horse trailers as well as on the riding and packing equipment and all is in good order for the summer.

Building Fire Protection. Building fire inspections were continued on Government buildings in the Mammoth District during the month and as soon as the field stations are manned for the summer the remaining inspections on Government buildings will be completed. Action has been taken to correct as many of the hazards as possible which were reported during the inspections of buildings at headquarters.

Action has been taken to revise the fire brigade organization at park headquarters which has been necessary due to changes in personnel. As soon as the organization is completed and the personnel assigned, drills will be held so that all men will be acquainted with their duties. The weather has not been suitable for testing the fire hose outdoors and training the engine crews.

Arrangements have about been completed for purchasing an Eastman Evacuator this spring to add to our building fire equipment at headquarters. The evacuator will be of the portable type suitable for use on two-or three-story buildings. The need for this type evacuator has long been felt for possible use on the Government buildings and hospital in the event of a serious fire.

Limited funds will be available for the purchase of the approved plunger type carbon-tetrachloride extinguishers this spring. However, a large number of the plunger type carbon-tetrachloride extinguishers have been found beyond repair and sufficient funds will not be available for replacing all of them.

Accidents and Public Safety. Two motor vehicle accidents occurred on the Gallatin highway during the month. Both accidents involved only one vehicle and both were attributed to "overdriving" on icy roads. There were no personal injuries reported during the month.

Law Enforcement. There were no law enforcement cases during the month. The U. S. Commissioner was absent from the headquarters for the entire month.





Deaths. Mrs. Emilie James Child, mother of Huntley Child, Jr., Manager of Lodges and Camps, Yellowstone Park Company, died in Los Angeles on April 8. Burial was at Claremont, California on April 10.

Personnel. Park Biologist Walter Kittams was on military leave from April 2 through 16. Park Ranger Boris Vladimiroff was on military leave from March 25 through April 8.

Shirley Wohlbrandt entered on duty as seasonal Clerk-Stenographer, GS-3 on April 2. Thomas E. Close entered on duty as seasonal Storekeeper, GS-3 on April 16. Elizabeth J. McGinnis entered on duty as seasonal Clerk-Stenographer, GS-3 on April 30.

Lemely E. Oates entered on duty as permanent Blacksmith, ungraded, on April 9.

Gerald A. Rowe, Engineer (Civil), GS-5, was promoted to the newly created position of Engineer (Civil), GS-7, on April 13.

Arnold G. Quist returned to duty from leave without pay on April 12, he having been in attendance at a trade school in Kansas City, Missouri, under the GI Bill.

Robert S. Hursh, Engineer (Civil), GS-9, departed for Crater Lake National Park on April 28 for transfer to that area as Park Engineer.

Miscellaneous. The regular monthly meeting of the Federal Employees Union Local No. 465 was held in the Canteen on April 2. Mr. William Clavier, National Representative, National Federation of Federal Employees, spoke to the group on personnel matters and pending legislation.

The library group sponsored a dessert bridge party at the Canteen on the night of April 13 and the Parent Teachers Association held a white elephant sale in the Canteen on the night of April 27.

The regular monthly meeting of the American Federation of Government Employees local was held in the Canteen on April 16.

On April 10 an election of the Sunday School Board was held at which Frank E. Mattson was elected Superintendent; William G. Armstrong, Assistant Superintendent; Mrs. Lorna Condon, Secretary-Treasurer; and Mrs. Alice Kittams, Mrs. Bettie Allan, Andrew E. Stewart, John W. Galle, Thomas F. Ela and William K. Masters, members of the Sunday School Board.

Meeting, Mrs. Emma Jones Child, mother of George Child,  
Tr., Manager of Lodges and Camps, Yellowstone Park Company, stated  
Los Angeles on April 3. Child was at Government, California, on  
April 10.

Personal. Four Biological Laboratory students were on duty  
leave from April 2 through 14. Four members of the Laboratory were  
military leave from April 2 through April 7.

Stirling Holbrook entered on duty on April 10. Holbrook  
Stenographer, G-3 on April 2. Holbrook, G-3 on April 2. Holbrook  
Seasonal Stenographer, G-3 on April 10. Holbrook, G-3 on April 10.  
entered on duty as seasonal Clerk-Stenographer, G-3 on April 10.

Henry A. Bates entered on duty as permanent Stenographer,  
unrated, on April 9.

Gerald A. Rowe, Engineer (Civil), G-4, was promoted to the  
newly created position of Engineer (Civil), G-7, on April 10.

Arnold G. Child returned to duty from leave without pay on  
April 12, he having been in attendance at a trade school in Kansas  
City, Missouri, under the GI Bill.

Robert A. French, Engineer (Civil), G-4, reported for duty  
Lake National Park on April 10 for transfer to that area as  
Engineer.

Incidentally, the regular monthly meeting of the  
Employees Union Local No. 100 was held in the Garden on April 2.  
Mr. William Clavier, National Representative, National Federation of  
Federal Employees, spoke to the group on personnel matters and  
legislation.

The Library group sponsored a general public party at the  
Garden on the night of April 12 and the Forest Rangers Association  
held a white elephant sale in the Garden on the night of April 27.

The regular monthly meeting of the American Federation of  
Government Employees Local 100 was held in the Garden on April 10.

On April 10 an election of the Library School Board was held  
at which Frank E. Mattson was elected Superintendent; William E.  
Armstrong, Assistant Superintendent; Mrs. John Gordon, Secretary.  
Treasurer and Mrs. Alice Kattana, Mrs. Betty Allen, Mrs. E.  
Sewert, John L. Gallo, Thomas E. Hays and William E. Mattson, members  
of the Library School Board.





