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

Report 1ml

ICE OF THE SUPERINTENDENT

Summary of the April 1955 Monthly Narrative Report
YELLOWSTONE NATIONAL PARK

| | | <u>Page</u> |
|---------------------------------|---|-------------|
| <u>WEATHER:</u> | Stormy but only .57 precipitation Mammoth. Park maximum 67°, Tower & minimum -6° at Lake. Snow depths & water content. | 1 |
| <u>SPECIAL ACTIVITIES:</u> | Rogers, Mattson, Brown, Condon to Wash. Office. Rogers, Wirth, Allen, Baker, Flynn to Cheyenne re Wyo. purchase concessions. Rogers to Livingston Chamber of Commerce re future meeting with Wirth. Hamilton & Joffe to Billings. Chapman, Garry, Barrows, Herkenham, Beal, Gunzel to Black Hills training conf. Pierson to Wash. State for surplus. Nelson to Missoula re firefighter wages. Annual leave of Anderson & Barrows; Reynolds on river-rafting trip in Idaho; Grimm to Germany on leave; Herkenhams on river trip. Stevens back from surgery in Rochester. Snowplowing started 14th, to Old Faithful & West 27th; proposed opening dates. Fishing regs. Ranger assignments. C.S. exam. Gardiner Ch. of Commerce. | 1-3 |
| <u>INSPECTIONS:</u> | Barnes MacDonald out to Glacier. U.S. Forest Insect Laboratory men in on spruce budworm. | 4 |
| <u>PUBLICITY:</u> | Press releases on Wiggins retirement, opening dates, elk reduction. 400,000 1955 broadsides received; 475,250 broadsides on hand. Yell. winter story in Cody Enterprise result snowplane trip. | 4 |
| <u>PLANS, MAPS AND SURVEYS:</u> | Statement of development for concession contracts prepared when men in WashO; also discussed exhibit plans museum & info station. Mattson on data for conc. program, Firehole-Biscuit Basin surfacing, sign layouts, etc. Engineers on Canyon cabin area water layout, Canyon campground, etc. | 4-5 |
| <u>MAINTENANCE:</u> | Snowplowing operations. Gallatin & Mammoth road crews. Log & sidewalk work, etc. | 5 |
| <u>COMPLAINTS:</u> | 1 complaint letter handled. | 5 |
| <u>CONCESSIONERS:</u> | H. Child & J. Nichols trips; conferred with Wirth. YPCo "Accommodations & Services" leaflet; opening dates approved; Mammoth mess opened; resumed work O.F. Lodge. Hayneses in; Mrs. Haynes to St. Paul re employees; rates approved; addition to O.F. Shop. Povah, other Hamilton men in to O.F. 1¢ increase in gas. Dr. Brosius here. Medical permit submitted. | 5-6 |

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

OF THE DEPARTMENT

REPORT OF THE WILSON Lake Survey, 1907

1907

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| <u>RELIGIOUS SERVICES:</u> | Sunday School, Church, Easter Sunrise Service, Communion. | 7 |
| <u>INTERPRETIVE SERVICES:</u> | Talk & movies to Science group here. Programs on safe driving & geology to high school. Program to 4-H group. | 7 |
| <u>MUSEUMS & EXHIBITS:</u> | Exhibit layouts O.F. museum & W.Y. info station. | 7 |
| <u>RESEARCH AND OBSERVATION:</u> | Beal articles for Nature Notes. Review Gebler thesis on nature trails. Park & NPS officials & Albright met re possible thermal research by Marler. Osprey back 12th to Eagle Nest Rock. | 7-8 |
| <u>NATURAL HISTORY ASSOCIATION:</u> | Proof checked Turner publication on reptiles & amphibians; for sale. Watson Norris manuscript final typing & review. Duplicate slides to NPS areas. | 8 |
| <u>IN-SERVICE TRAINING:</u> | Six men attended Fire Control, Protection-Interpretation Conf. Wind Cave & vicinity. Weekly News. | 8 |
| <u>TRAVEL:</u> | 2138 people in 603 vehicles, 25% over last April. 16 in snowplanes, 144 in Snowmobile. | 8 |
| <u>RANGER SERVICE:</u> | Preparation for summer. Various activities listed. | 8-9 |
| <u>BEARS:</u> | Bear trap loaned Montana Fish & Game as model. Bears seen, several cubs. | 9 |
| <u>RANGE:</u> | Observations range conditions by Kittams. | 9 |
| <u>FOREST FIRE PROTECTION:</u> | Inventory equipment. Recruitment fire control aids. Nelson to firefighter wage meeting, Missoula. En route fire control training conf., met at Billings re Indian firefighters. | 9-10 |
| <u>BUILDING FIRES:</u> | Extinguisher replacement & re-charging. | 10 |
| <u>BLISTER RUST:</u> | Employment of crew. To get new power sprayer. Allotment received. | 10 |
| <u>FOREST INSECTS:</u> | USFS Insect Lab men & Edwards obtained specimens spruce budworm; heavy infestation. No final word on funds to control. | 10 |
| <u>TRAILS:</u> | 400 signs & 800 more trail markers. Maintenance men. Some work Yell. River trail. | 11 |
| <u>RANCH & CORRAL:</u> | 2 horses & mule to North Gate. Pierson to Wash. for surplus tractor & equipment. Seeder-spreader bought last year returned as unsatisfactory. | 11 |
| <u>GROUND:</u> | Men on Mammoth grounds. | 11 |

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| <u>ACCIDENTS & SAFETY:</u> | One accident Gallatin road. Amendments boat regs submitted. Outline Safe Maintenance in Boat Operations from WASHO for comments. | 11 |
| <u>DEATHS:</u> | Deaths of Albert Hurd, former employee, & Walter Ludwig, seasonal truck driver. | 11 |
| <u>BIRTHS:</u> | Son born to Mr. & Mrs. John Galle. Daughter born to Mr. & Mrs. Thomas Hallin. | 12 |
| <u>MARRIAGES:</u> | Wm. Arnold & Lou Ella Knudson. Robert Abbie & Ruth Sousa. | 12 |
| <u>PERSONNEL:</u> | John Galle, Fiscal Accounting Clerk, resigned. Merle Stitt, Park Ranger, transferred to Rocky Mtn. Charles Moore converted to Time, Leave & Payroll Clerk, GS-4 to get career status. Charles Budge transferred to Supervisory Park Ranger from Badlands. Herman Biastoch appointed Acting Sanitation Officer. Seasonal appts. | 12 |
| <u>MISCELLANEOUS:</u> | NFFE & AFGE meetings. Ski meet. Gardiner School Board election. Mammoth School field trip. | 12-13 |

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

A2823

Report 1ml

ICE OF THE SUPERINTENDENT

May 6, 1955

Memorandum

To: The Director
From: Superintendent, Yellowstone National Park
Subject: Monthly Report for April 1955

Following is the report of activities for Yellowstone National Park during the month of April 1955:

Weather Conditions. The weather this April was a little worse than usual with precipitation recorded on twenty days at Mammoth, very few days of sunshine, and generally cold and unsettled. Precipitation of only 0.57 inch was mostly in the form of light snow flurries. The snow cover left the ground during the latter part of the month, and only a few drifts remain in shaded areas in this vicinity. The maximum temperature of 65° was recorded on the 30th and the minimum of 9° on the 6th.

The maximum temperature in the park during the month was 67° at Tower Fall on the 30th and the minimum was -6° at Lake on the 6th.

Snow depths for some of the snow courses at the end of the month are listed as follows:

| <u>Location</u> | <u>Snow Depth</u> | <u>Water Content</u> |
|--------------------|-------------------|----------------------|
| Norris | 25.8 inches | 8.3 inches |
| Lupine | 26.1 " | 11.5 " |
| Northeast | 18.5 " | 6.6 " |
| East | 7.0 " | 1.3 " |
| Sylvan Pass | 24.9 " | 9.0 " |
| Lewis River Divide | 105.4 " | 40.8 " |
| Canyon | 44.7 " | 14.5 " |
| Lake | 27.7 " | 8.7 " |

Special Activities. Superintendent Rogers, Landscape Architect Mattson and Chief Ranger Brown departed April 9 for the Washington Office to confer, together with Park Naturalist Condon who left April 2, on concessioner matters, Old Faithful Museum and West Yellowstone Information Station exhibit plans, and other matters affecting the park. On the 21st Mr. Rogers left with Director Wirth, Assistant Director Allen, Regional Director Baker, and Thomas F. Flynn, Executive Staff Assistant

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OFFICE OF THE SUPERINTENDENT

REPORT OF THE SUPERINTENDENT
FOR THE YEAR 1907
CONTAINING A SUMMARY OF THE WORK OF THE NATIONAL PARK SERVICE
IN THE YELLOWSTONE NATIONAL PARK
DURING THE YEAR 1907
AND A SUMMARY OF THE WORK OF THE NATIONAL PARK SERVICE
IN THE OTHER NATIONAL PARKS
DURING THE YEAR 1907

THE NATIONAL PARK SERVICE
WAS ORGANIZED IN 1892
AND HAS SINCE THAT TIME
BEEN ENGAGED IN THE PROTECTION
AND DEVELOPMENT OF THE
NATIONAL PARKS

| NAME OF PARK | AREA IN SQUARE MILES | POPULATION | NUMBER OF VISITORS |
|------------------|----------------------|------------|--------------------|
| Yellowstone | 3,466 | 10,000 | 100,000 |
| Grand Canyon | 2,170 | 5,000 | 50,000 |
| Grand Teton | 3,200 | 1,000 | 10,000 |
| Yosemite | 3,000 | 10,000 | 100,000 |
| Sequoia | 1,500 | 5,000 | 50,000 |
| Redwood | 1,000 | 5,000 | 50,000 |
| Mount Rainier | 1,000 | 5,000 | 50,000 |
| Glacier | 1,000 | 5,000 | 50,000 |
| North Cascades | 1,000 | 5,000 | 50,000 |
| Mount St. Helens | 1,000 | 5,000 | 50,000 |

THE NATIONAL PARK SERVICE
HAS BEEN SUCCESSFUL IN
PROTECTING THE NATIONAL PARKS
AND IN DEVELOPING THEM
FOR THE BENEFIT OF THE PEOPLE
OF THE UNITED STATES

to Assistant Secretary of Interior Lewis, for Cheyenne, Wyoming, to discuss the proposal of Wyoming taking over the park concessions with Governor Milward Simpson, the five-man committee appointed by the Governor to study the proposal, the Legislative Interim Committee appointed by the Wyoming Senate and House, and representatives of Allen & Company, New York brokers, who have been handling preliminary studies on the proposal. Messrs. Rogers, Condon and Brown returned to the park the 24th and Mr. Mattson on the 27th. Mr. Rogers went to Livingston April 28 to confer with Chamber of Commerce officials regarding proposed meeting with Director Wirth next summer.

Assistant Superintendent Hamilton and Administrative Assistant Joffe made a trip to Billings April 20 and 21 on public relations work, conferring with Government officials, Dude Ranchers' Association and Chamber of Commerce officials and others, and attended the 18th Annual Community Cooperation Dinner sponsored by the Billings Chamber of Commerce.

Assistant Chief Rangers Chapman and Garry, Forester Barrows, Park Naturalists Herkenham and Beal and District Ranger Gunzel left April 8 to attend the Region Two Protection and Interpretation Conference April 10-16 at Wind Cave and vicinity, returning the 16th and 17th.

Head Animal Keeper Pierson left April 4 for Coulee Dam and Winchester, Washington, for surplus property, returning the 9th.

District Park Ranger Nelson departed April 13 for Missoula to attend the Annual Conference of Firefighting Wage Rates at the Forest Service office the 14th, returning the 15th.

Administrative Officer Anderson left April 16 on three weeks annual leave in California and Forester Barrows departed April 22 on two weeks annual leave in Colorado.

Harry V. Reynolds, District Park Ranger, was on annual leave March 29-April 10 participating in a river-rafting trip of the Salmon River through sections of the Idaho Primitive Area. The trip was an official mission sponsored by the U. S. Fish and Wildlife Service for the purpose of conducting censuses of big-game animals and surveying winter range conditions. Eight days were spent on the river and adjacent areas by the four members of the party. The trip was organized and directed by Dr. John J. Craighead who is in charge of the Cooperative Wildlife Research Unit at the University of Montana.

Rudolf L. Grimm, District Park Ranger, departed April 1 on six weeks annual leave, visiting in Germany. He flew first to Bremen, Germany, where he visited relatives.

Norman B. Herkenham, Park Naturalist, left April 21 on annual leave with Mrs. Herkenham to join the party known as the "Yosemite River Rats" for a 10-day trip down the San Juan and Colorado Rivers, starting at Mexican Hat, Utah, and ending at Lees Ferry, Arizona, a journey of about 200 miles. This is the third trip they have participated in with this group from Yosemite, having taken a similar trip last year and the previous year ran the rapids in Dinosaur National Monument.

DeLyle R. Stevens, District Park Ranger, returned April 25 from Rochester, Minnesota, where he underwent surgery on his throat but continued on sick leave through the end of the month.

Spring snowplowing operations were started April 14, the plows reaching Norris the 17th, and Old Faithful and West Yellowstone the 27th, to be opened to the public May 1. The scheduled dates for opening other roads are May 15 for the section from Norris to Canyon and Lake, May 25 for East and South Entrances, May 28 for remaining sections in the park, and June 15 for the Northeast Entrance Road from Red Lodge to Cooke.

The 1955 Fishing Regulations were mimeographed and made available April 11. They contain only minor changes over those for 1954 clarifying the descriptions of those portions of the Gardner River and Glen Creek closed to fishing. The fishing season will open May 30 as usual with Yellowstone Lake and Squaw Lake opening June 15, Yellowstone River between Lake and Canyon and tributaries, Riddle, Grebe and Wolf Lakes and stream between Grebe and Wolf Lakes July 1, and tributaries to Yellowstone Lake July 15.

The ranger assignments for this summer and for next winter were released April 29. The men will be moved to their new stations as snow conditions permit.

The Local Civil Service Board held an examination April 21 for Clerk (General), GS-1-4, with one competitor. Personnel Clerk Everett conducted the examination.

Members of the Gardiner community organized a new Chamber of Commerce April 4. Hugh H. Crossen was elected President, Thomas J. Hallin Vice-President and Leroy C. Wilson Treasurer, with Raymond C. Easton appointed Secretary. It is noted that a number of worthwhile improvements are being made in the town which will change the appearance of the front street and will add to the attractiveness of the area just outside the park, giving visitors entering or leaving the park a much better impression of the town. Members of the Chamber of Commerce met with Superintendent Rogers April 6 to discuss proposed improvements and a program for visitors who stay in the town.

Inspections. Barnes MacDonald, Highway Engineer, Region Two, who arrived March 29 for a study of snow removal costs and problems, departed April 2 for Glacier National Park on snow removal matters.

Tom Terrell and David Fellin, Entomologists, U. S. Forest Insect Laboratory, Missoula, were in April 26 to discuss spruce budworm infestation.

Publicity. A press release was issued April 1 to the Associated and United Presses and several newspapers on the retirement of William Wiggins, Sanitation Officer. On the 13th a press release on the opening dates for the various roads and accommodations was sent to the park's mailing list and on the 14th one was released on the Yellowstone elk reduction program.

On April 22, 400,000 copies of the Yellowstone broadside for 1955 were received. A total of 475,250 broadsides for 1954 and 1955 remained on hand at the end of the month.

The Cody Enterprise pictorial section of April 21 carried a Yellowstone winter story entitled "Yellowstone in Ermine". The pictures were the result of a snowplane trip April 8 and 9 by Jack Richards, Robert Richards and Larry H. Morrison of the Cody Enterprise, accompanied by three Wyoming State Game and Fish Wardens and Park Ranger Jones from the South Entrance. They entered and left via the South Gate and photographed in the Old Faithful and Lake areas. The use of State of Wyoming snowplanes for publicity purposes was sanctioned by Governor Simpson of Wyoming.

Plans, Maps and Surveys. Park Landscape Architect Mattson spent April 11 to 22 in the Washington Office with Superintendent Rogers, Chief Ranger Brown and Park Naturalist Condon in the preparation of a statement of development to use in connection with a new 20-year contract for concessions. Much of the first week of the month he dedicated to the presentation of a concessioner program for consideration in the new twenty-year contract to the Yellowstone Park Company, consisting of collection of working data for use in the Washington Office. While in the Washington Office he discussed briefly the cross-section design of Project 1C, Firehole Cascades to Biscuit Basin, Bituminous Surfacing, for proposed contract by the Bureau of Public Roads, action to be initiated by the Western Office, Division of Design and Construction. Some review was made of proposal for materials by the Cop Construction Company for the comfort stations and pumphouse at Canyon. The layout of signs continued into the month and supervision of the layout work was given to Project Clerk Mardis, who prepared Plan 2467, Sign Layout, Canyon area, and Plan 2468, Sign Layout, Mammoth area. Exhibit plans for Old Faithful Museum and West Yellowstone Information Station were also discussed when Messrs. Rogers, Mattson, Condon and Brown were in Washington.

1. The first part of the report is devoted to a general survey of the situation in the country.

2. The second part of the report is devoted to a detailed analysis of the economic situation.

3. The third part of the report is devoted to a detailed analysis of the social situation.

4. The fourth part of the report is devoted to a detailed analysis of the political situation.

5. The fifth part of the report is devoted to a detailed analysis of the cultural situation.

6. The sixth part of the report is devoted to a detailed analysis of the international situation.

7. The seventh part of the report is devoted to a detailed analysis of the future prospects of the country.

8. The eighth part of the report is devoted to a detailed analysis of the role of the state in the economy.

9. The ninth part of the report is devoted to a detailed analysis of the role of the state in the social sphere.

10. The tenth part of the report is devoted to a detailed analysis of the role of the state in the cultural sphere.

11. The eleventh part of the report is devoted to a detailed analysis of the role of the state in the international sphere.

12. The twelfth part of the report is devoted to a detailed analysis of the role of the state in the future prospects of the country.

13. The thirteenth part of the report is devoted to a detailed analysis of the role of the state in the economy.

14. The fourteenth part of the report is devoted to a detailed analysis of the role of the state in the social sphere.

15. The fifteenth part of the report is devoted to a detailed analysis of the role of the state in the cultural sphere.

16. The sixteenth part of the report is devoted to a detailed analysis of the role of the state in the international sphere.

17. The seventeenth part of the report is devoted to a detailed analysis of the role of the state in the future prospects of the country.

18. The eighteenth part of the report is devoted to a detailed analysis of the role of the state in the economy.

19. The nineteenth part of the report is devoted to a detailed analysis of the role of the state in the social sphere.

20. The twentieth part of the report is devoted to a detailed analysis of the role of the state in the cultural sphere.

21. The twenty-first part of the report is devoted to a detailed analysis of the role of the state in the international sphere.

22. The twenty-second part of the report is devoted to a detailed analysis of the role of the state in the future prospects of the country.

23. The twenty-third part of the report is devoted to a detailed analysis of the role of the state in the economy.

24. The twenty-fourth part of the report is devoted to a detailed analysis of the role of the state in the social sphere.

25. The twenty-fifth part of the report is devoted to a detailed analysis of the role of the state in the cultural sphere.

26. The twenty-sixth part of the report is devoted to a detailed analysis of the role of the state in the international sphere.

27. The twenty-seventh part of the report is devoted to a detailed analysis of the role of the state in the future prospects of the country.

28. The twenty-eighth part of the report is devoted to a detailed analysis of the role of the state in the economy.

29. The twenty-ninth part of the report is devoted to a detailed analysis of the role of the state in the social sphere.

30. The thirtieth part of the report is devoted to a detailed analysis of the role of the state in the cultural sphere.

Assistant Engineers Schmid and Ketcham worked on Canyon cabin area water and sewer layout, spotted center line of road for road striping on six miles of road and made "as constructed" drawings for Canyon campground.

Maintenance. The weather continued cool with several snow storms during the month. The snow has settled and evaporated until snow depths are about half normal.

The Gallatin and Mammoth road maintenance camps were set up April 14 and the Madison camp opened May 2. Frost boils and pavement cracking are much more severe than usual, and, as a consequence, surface breakup will be extensive.

A leak in Mammoth main water line caused a cave-in of the road in front of Hamilton's store requiring repair.

Snowplows started out from Mammoth on spring opening of roads April 14. By the end of the month roads were plowed from Mammoth to Old Faithful and Madison to West; also Norris to Canyon. Plowing is very good except where the snow was compacted by the Government Weasels and the Bombardier Snowmobiles. From Mammoth to Norris and Madison to West Entrance the roads were first plowed with the rotary, then the push plows made two separate trips and got the pavement fairly clean. These were followed up with a grader, making four separate operations. To date snow removal operations are about four of five days ahead of schedule.

A crew is busy peeling guard rail logs and dipping the prefabricated wood sidewalks. A large number of new signs have been routed out and painted. Painters completed painting the ladies' and men's rooms in the barracks building. Work in the Mammoth government mess is also complete.

Complaints. One letter of complaint was handled during the month regarding alleged unsatisfactory condition of accommodations and apparent indifference of supervisory staff providing same.

Concessioners. Huntley Child, Jr., Vice-President, Yellowstone Park Company, returned April 6 from Chicago where he attended a Hotel Association Convention. He made a trip to Helena April 11 and 12 to confer at the Company's office there, and departed the 17th for Atlantic City, New Jersey, to attend a Resort Committee meeting of the American Hotel Association and to Washington, D. C. for a meeting the 25th with Director Wirth and John Q. Nichols, Vice-President of the Yellowstone Park Company, on concession matters, returning the 29th. John Nichols was in the park April 7 and 8 on his way East from La Jolla, California.

A supply of the Yellowstone Park Company "Accommodations and Services" leaflet for 1955 was received April 4.

The opening dates for the Yellowstone Park Company operations for 1955 were approved April 8.

The Yellowstone Park Company employees mess hall at Mammoth opened April 15.

On April 28 the Yellowstone Park Company resumed work on rehabilitation of the Old Faithful Lodge main building, including the laying of new floors and installation of new washrooms and baths.

J. E. Haynes, President, Haynes Inc., and Mrs. Haynes moved to Mammoth April 15 from their winter headquarters at Bozeman, Montana. Mrs. Haynes left on the 17th for St. Paul, Minnesota, to recruit employees for Haynes Inc. for the summer.

The proposed schedule of rates for Haynes Inc. for 1955 was approved April 19.

Haynes Inc. started work April 28 on addition to its Old Faithful Picture Shop.

Trev Povah, Vice-President, Hamilton Stores, Inc. and Manager, Yellowstone Park Service Stations, arrived April 25 from his winter headquarters at Santa Monica, California. He made a trip back to Livingston the same day, returning the 28th with Gar Helppie, Manager, Lee Yeager, Accountant, and other employees of Hamilton Stores, Inc. to get operations underway at Old Faithful by May 1.

Amendment No. 1 to the basic schedule of rates of Yellowstone Park Service Stations providing a 1¢ per gallon increase for gasoline to be sold in the park was approved April 29, making the price of Regular gasoline 34½¢ and of Ethyl 37½¢ per gallon. This increase was made to meet the recent tank wagon price increase and bring the prices in line with those in Gardiner and West Yellowstone.

Dr. Frank Brosius reported as Resident Physician April 16, relieving Mrs. Dorothy Stovall who has been Nurse in charge of the medical service since March 8.

On April 27 the proposed Revocable Concession Permit, No. 14-10-243-164, to cover the continued operations of Drs. Alfred M. Lueck and John A. Pearson of Livingston for medical service in the park for 1955 was mailed to the Washington Office for submission to committees of Congress before final approval.

1. The first part of the report deals with the general situation of the country and the progress of the work during the year.

2. The second part of the report deals with the results of the work done during the year.

3. The third part of the report deals with the financial statement of the year.

4. The fourth part of the report deals with the general remarks and conclusions.

5. The fifth part of the report deals with the general remarks and conclusions.

6. The sixth part of the report deals with the general remarks and conclusions.

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10. The tenth part of the report deals with the general remarks and conclusions.

Religious Services and Chapel Use. The regular Sunday School services were held in the Yellowstone Park Chapel each Sunday at 10:00 a.m. except Easter. The regular Church services were held each Sunday morning at 11:00 except Easter.

On Easter Sunday a special Sunrise Service was held in the Chapel at 6:00 a.m. Student Minister William Henning was in charge of all services. A capacity congregation attended the Easter service. The Chapel was especially decorated and there was special music. Following the service, there was an Easter breakfast in the Canteen with about 200 persons participating in this activity.

The Rev. Edward A. Syms of Livingston held a special Communion Service in the Chapel at 12:01 a.m. Easter Sunday, April 10.

Interpretive Services. On April 24, 50 members of the Montana Society of Natural and Earth Sciences visited the Yellowstone Park Museum. Park Naturalist Beal gave them a special talk and ran off the movie "Geyser Melodies" for them.

On April 4 Park Naturalist Herkenham showed the Gardiner High School the safe-driving movies which had been shown at Mammoth on March 31. There were 40 High School students in attendance.

On the 19th Mr. Herkenham presented a program to the Gardiner High School on the Geology of Yellowstone and Other Western Parks. Thirty-two students were present at this program.

On the evening of April 29 Chief Park Naturalist Condon presented a program to the Paradise Experimenters 4-H Club and their friends at Pray, Montana. There were 147 persons at this program, and the movie "Geyserland" was shown.

Museum Activities and Exhibits. While in Washington, Mr. Condon assisted the Museum Laboratory in completing the exhibit layouts for 14 exhibits to be used in the West Yellowstone Information Station. He also assisted the Museum Branch in preparing the layouts for 17 exhibits which are to go into the Old Faithful Museum. Special pictures and specimens are to be obtained and shipped to Washington for use in the preparation of the exhibits.

Research and Observation. Park Naturalist Beal prepared two articles for use in Yellowstone Nature Notes entitled "Are Wildlife Caravans Worthwhile?" and "Losses of Animal Life Due to Gaseous Emanations and Boiling Pools in Yellowstone National Park."

Charles Gebler, seasonal Park Ranger Naturalist, submitted his thesis during the month for review. It treats the subject of "Nature Trail Techniques".

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On the evening of April 19, Messrs. John Doerr, Bennett T. Gale, Edmund B. Rogers and David de L. Condon attended a dinner with Mr. Horace M. Albright and the group reviewed the research possibilities for the thermal areas in Yellowstone which might be conducted by George D. Marler.

The pair of osprey that nest on Eagle Nest Rock in the Gardner Canyon between Mammoth and Gardiner returned April 12 and began repairing their nest. Last year they returned April 4 and the previous year on the 1st.

Natural History Association. The proof on Reptiles and Amphibians of Yellowstone National Park by Frederick B. Turner was checked and returned to Edwards Brothers, Lithoprinters, on April 8. It is anticipated that this publication will be available for sale on or before June 1.

W. Verde Watson's manuscript on the Norris Geyser Basin was typed in final form by the clerk of the Association and this copy has been reviewed by Park Naturalist Beal.

The Association shipped out duplicate kodaslide which were ordered by Glacier National Park, Rocky Mountain National Park, and Effigy Mounds National Monument.

In-Service Training. Assistant Chief Rangers Chapman and Garry, Forester Barrows, Park Naturalists Herkenham and Beal and District Ranger Gunzel attended the Region Two Fire Control and Protection-Interpretation course at the Black Hills April 10-15.

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

Increase or Decrease in Travel. A total of 2,138 people in 603 vehicles entered the park during April of this year compared with 1,712 people in 518 vehicles during April 1954 or an increase of approximately 25%. One hundred sixty persons entered the park in over-snow vehicles, 16 of these entering via the south entrance by snowplanes and 144 entering in 12 trips at West Yellowstone by Bombardier Snowmobile, 37 of these latter in five trips going as far as Old Faithful and the others traveling shorter distances into the park.

Ranger Service. Much was done in preparation for the summer season. Additional and new forms including 7,000 Fishing Regulations were mimeographed, letters of inquiry and offers of employment were sent out regarding seasonal ranger employment, a new system of recording and accountability of permanent and seasonal employee gate permits was placed in effect with new permits completed and issued prior to the tourist season, revisions of the Report Manual were prepared, and reports and correspondence kept current. Fingerprinting of seasonal personnel was time-consuming. Work programs were curtailed somewhat due to trips

away from the park and the considerable leave taken, but field trips were made to provide minimum protection, these including a 3-day inspection and dead animal survey of the Cottonwood Creek drainage and Blacktail area and inventory of supplies and rations of the Crystal Creek and Norris cabins by District Ranger Ela and Ranger Hackett. Members of the Protection Division and Heads of Divisions met in the Superintendent's office on the 26th to confer on the operation of the West Entrance Information Station. The Chief Ranger conferred with the Assistant Chief Rangers regarding seasonal ranger employment on the 5th and permanent ranger assignments and work program on the 28th, the assignment schedule being distributed on the 29th. District Ranger Gilbert of West Yellowstone assisted Game Warden Todd in an investigation of illegal beaver killing on the Madison River outside the park on the 10th.

Wildlife and Fish Cultural Activities. BEARS. A two-wheeled bear trap was loaned the Montana Department of Fish and Game on the 26th as a model for construction of bear traps by that agency.

Bears were seen a number of times toward the end of the month. Several cubs were reported.

Range. According to observations of Biologist Kittams, unsettled weather, with low temperatures during all but two periods covering six days, resulted in rather slow melting of snow from the range. At the end of April snow was gone from the Lower Range and most of the Intermediate Range except for timbered north slopes and places where deep drifts had developed. Only critical portions of the Upper Range were free of snow. Snow and rain at Mammoth in April totaled only .57 inch, less than half the normal of 1.29 inches. While temperatures limited growth of grass over much of the snow-free range, inadequate soil moisture appeared to be the critical factor limiting grass growth in the Gardiner-Reese Creek area and on other dry sites as far up as Mammoth. Bluegrass on the lower range is about one and one-half inches tall, providing most of the forage there for ungulates. By April 10, considerable old forage was available on the Intermediate Range. Late in the month elk above Mammoth were feeding mainly on this since very little new grass was available. Photographs have been made of most of the study plots on the northern Yellowstone range. In the Gardiner-Reese Creek area sagebrush, winterfat and grass show heavy utilization. Higher up, grass utilization appears to be less than usual although it is heavy on sore spots. Sage at the edges of some of these spots has been utilized moderately by elk. Detailed analysis of twig loss on aspen shoots of one year has revealed no definite pattern for degree of current growth removal which can be tolerated.

Forest Fire Protection. A physical inventory of all forest fire fighting equipment was made during April.

Assistant Chief Ranger Chapman spent considerable time examining applications and recruiting fire control employees, authority having been received to hire the regular complement of fire control aids.

Dispatcher Nelson attended the wage scale meeting held by the U. S. Forest Service at Missoula, Montana, on April 14. The purpose of this meeting was to assemble representatives of the various fire-fighting agencies in this region to arrive at satisfactory rates of pay for all classes of forest firefighting personnel.

En route to the Fire Control Training Conference in the Black Hills, Assistant Chief Rangers Chapman and Garry, District Ranger Ganzel and Forester Barrows conferred April 8 with officials of the Indian Service and Forest Service at Billings regarding inter-agency recruitment and use of firefighters. Tentative arrangements were made to train leaders in the Crow and Cheyenne tribes about July 1, just ahead of the time that fire calls may be expected, Yellowstone to participate in the training program. It is expected that about 250 Indian firefighters will be available in the Billings area and the Custer National Forest will dispatch for Southeastern Montana and Northern Wyoming, including Yellowstone and Grand Teton National Parks.

Building Fire Protection. A number of fire extinguishers were re-charged and replaced in the headquarters area.

Blister Rust Control. Assistant Chief Ranger Edwards and Forester Barrows spent considerable time examining applications and recruiting blister rust control employees, offers of employment having been sent to most of the men. Work is expected to start June 1 with the bulk of the crew arriving on June 13.

Three power pumps for spraying 2, 4, 5-T have been ordered and are being assembled at Spokane, Washington, by an equipment company, Rocky Mountain, Glacier and Yellowstone each to receive one of these new pumps.

An allotment of \$8,708.42 was received of which \$5,628.97 is to be used for blister rust operation and survey and \$3,079.45 to reimburse the Forest Service for operational expenses.

Forest Insects. On April 27 Messrs. Tom Terrell and David Fellin, Entomologists, U. S. Forest Service Insect Laboratory, Missoula, and Assistant Chief Ranger Edwards inspected infestation and obtained specimens of spruce budworm infestation between Mammoth and Tower Fall. Field observations indicated a heavy population of budworm in the bark of the sample trees.

No further information was received regarding the status of the supplementary bill to provide funds for spruce budworm control. Plans for the control project are ready but operations cannot be activated until favorable word is received from Washington.

Trails. and Trail Signs. Under Assistant Chief Ranger McComas' supervision approximately 400 signs, mostly for trails, have been completed and are ready for distribution, and 800 additional trail markers were manufactured during the month bringing the total on hand to about 2,000. Eight trail maintenance men were selected and contacted. Some trail maintenance work on the Yellowstone River trail was accomplished, consisting mainly of shooting several large boulders which had fallen onto the trail during the winter.

Ranch and Corral Operations. On April 12 two saddle horses and a pack mule were delivered to North Gate from Lamar Unit for use in the Mammoth District. Head Animal Keeper Pierson made a trip to Winchester, Washington, to take delivery of a Model "B" John Deere tractor equipped with a stacker-loader, mowing machine and disk-harrow, which was surplus to the needs of the Bureau of Reclamation. All the equipment is in good condition and will be very useful in operation of the Lamar Unit. The seeder-spreader purchased last year was returned to the manufacturer for rebuilding or replacement as it has never functioned properly.

Grounds. Homer H. Springer entered on duty April 25 as Laborer-Foreman on the Mammoth Headquarters grounds, having resigned as Relief Guard. Gene Stoneking entered on duty as Laborer on the 29th working two days a week as Relief Guard and 2 days on grounds.

Accidents and Public Safety. An accident occurred on the Gallatin road 16.3 miles north of West Yellowstone. It was caused by bad visibility and icy roads. No personal injuries resulted but \$250 damage was done a stalled car with trailer attached when a truck came around a curve and skidded into it.

The new amendments to the park boat regulations were completed in final form and submitted to the Director's Office for Federal Register publication.

A new outline on Safe Maintenance in Boat Operations for National Park Service areas was received from the Washington Office. Comments from both the Protection Division and the Yellowstone Park Company were requested.

Deaths. Albert Hurd, 69, of Gardiner and a long-time employee of the National Park Service here, died of a heart attack at his home in Gardiner April 5. Burial was in Livingston April 9.

Walter Ludwig, 38, of Gardiner and for several seasons employed as a Truck Driver with the National Park Service here, died April 30 en route to the Veterans Hospital in Helena as a result of head injuries received in an altercation April 24 at Gardiner. Burial was to be in Mountain View Cemetery in Livingston May 3.

Births. A son was born April 3 to Fiscal Accounting Clerk and Mrs. John W. Galle at the Park Hospital in Livingston. He has been named Jon Walter.

On April 26 a daughter, Rosalie Ann, was born to Mr. and Mrs. Thomas J. Hallin at the Memorial Hospital in Livingston. Mr. Hallin is Assistant Manager, Construction Department, Yellowstone Park Company, and Mrs. Hallin, formerly Betty Lee Proznick, served for several years as Stenographer in the Naturalist Division.

Marriages. William L. Arnold and Lou Ella Mary Knudson were married April 17 at Our Savior Lutheran Church in Bonner, Montana. Mr. Arnold is the son of the late Everette L. and Marguerite L. Arnold of Yellowstone and was a former employee of the National Park Service here, now attending Montana State College at Bozeman.

Robert L. Abbie, son of Mechanic (Heavy Duty) and Mrs. Lester C. Abbie, and Ruth Emily Sousa of Stoneham, Massachusetts, were married April 23 in the Episcopal Church in Stoneham. Both are in the U. S. Navy stationed at the Naval Communications Station in New York City.

Personnel. John W. Galle, Fiscal Accounting Clerk, GS-5, tendered his resignation April 7, to be effective at the close of May 7, to enter in business in Gardiner.

Merle E. Stitt, Park Ranger, GS-5, left April 7 on Promotion and Change of Headquarters to Supervisory Park Ranger, GS-6, Rocky Mountain National Park, effective April 10.

Charles E. Moore, Time, Leave and Payroll Supervisor, GS-5, was converted April 10 to career appointment as Time, Leave and Payroll Clerk, GS-4, in order to establish career status.

Charles A. Budge, Park Ranger, GS-5, Badlands National Monument, received a Promotion and Change of Headquarters to Supervisory Park Ranger, GS-6, Yellowstone, effective April 17. He arrived with his family the 18th.

Herman R. Biastoch, Plumber Foreman, was appointed Acting Sanitation Officer April 4 until further notice.

The following seasonal employees were appointed during April: Mrs. Lois Milligan, Clerk-Typist, GS-3, April 6; Mrs. Viola B. Boylance, Clerk-Typist, GS-3, April 18; and Orville F. Drennan, Storekeeper (General), GS-3, April 25.

Miscellaneous. The regular monthly meeting of the National Federation of Federal Employees was held in the Canteen April 4.

The American Federation of Government Employees held its regular monthly meeting on April 11 in the Canteen.

The Annual Ski Meet sponsored by the Yellowstone Park Skiers was held at the Undine Falls ski hill April 3.

At the Gardiner School Board meeting in Gardiner April 4, Jack Hasty was elected Trustee. The other members of the Board are Frank Rigler and Bert Onstott. Mrs. Helen B. Tracy was reappointed Clerk. High School and Junior High School children of park residents attend the Gardiner School.

The Mammoth School made a field trip April 21 to Livingston where they attended a puppet show and visited two local museums and several business places.

Edmund B. Rogers
Superintendent

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