10-23
(May 1929)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Yellowstone NATIONAL PARK

✓	ROGERS
✓	EMMERT
✓	JOFFE
✓	NEILSON
	SMITH
	WILLIAMS
	SHOREY
	A.HARRIS
✓	LANGUE
	SKINNER
	SCHWEITZER
✓	BAUER
	[illegible]TROMB
	[illegible]
	[illegible]SON

FILE NO. 207-02.3

MONTHLY REPORT

April 1941

IMPORTANT

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ARNO B. CAMMERER,
Director.

U. S. GOVERNMENT PRINTING OFFICE 6—7410

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
YELLOWSTONE NATIONAL PARK
YELLOWSTONE PARK, WYOMING

May 6, 1941

MEMORANDUM for the Director:

Following is the report of activities for Yellowstone National Park for the month of April 1941:

000 - General

010 - As was the case last year, it was possible to open the park roads to travel considerably earlier than in most previous years and to promote the idea of a longer Yellowstone season. The north and west gates were admitting visitors on the first of April, while the east entrance and all of the roads on the Grand Loop, except the Dunraven Pass road, were opened on May 23, two days earlier than last year and the earliest in the park's history. The south gate was ready for opening to visitors on May 1 and the Dunraven Pass road was also cleared so that by the first day of May all of the park highways and the entrance roads were open to travel with the exception of the northeast entrance road from Red Lodge to Cooke, which was expected to be open sometime between May 15 and 20. The snowplows moved along considerably faster than in most previous years due to the light amount of snow in the interior of the park and there were fewer breakdowns. A snow storm which hit the park on April 16 closed the road from Mammoth to Old Faithful and West Yellowstone temporarily but it was opened the following day. This same snow storm was general throughout Montana and Wyoming and did considerable damage in some sections of the states.

Approval was received on April 24 to start the collection of the automobile license fee on May 5. Due to the conference of Yellowstone park rangers from April 28 to 30, inclusive and a fire school which was to be held from May 1 to 7, necessitating the presence of practically all permanent rangers, it was necessary to employ several temporary rangers to man the gates.

Arno B. Cammerer, former Director of the National Park Service and Regional Director of Region One, Richmond, Virginia, died at his home at Arlington, Virginia, of coronary thrombosis on April 30 at the age of fifty-seven. Mr. Cammerer had been in ill health for some time necessitating his relinquishing the directorship. His passing is a severe shock to the National Park Service family and his advice and council on National Park Service and conservation matters will be greatly missed. He was to be buried at his former home at Janesville, Wisconsin, on May 3.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
YELLOWSTONE NATIONAL PARK
YELLOWSTONE PARK, WYOMING

0-20 - General Weather Conditions (Also see attached report)

April averaged 1° above normal temperature, however, most of the days were warmer than average except for the cold spell April 16 to 20, during which a minimum of 8° above zero occurred. Precipitation was slightly more than normal and consisted mostly of snow showers which melted as it fell. The heavy snow storm for western Montana on the sixteenth and seventeenth extended into the park with 5.8 inches snowfall at Mammoth. Thunderstorms were heard for the first time this season on April 10 and 24.

100 - Administration

110 - Superintendent's Special Activities

Superintendent Rogers was in the park throughout the month, making only one trip out of the park, on April 25, to Helena, Montana, to attend the meeting of Montanans, Incorporated. He returned the following day.

130 - Park Inspections

Ned Tuttle, in charge of Fish and Wildlife Service activities, arrived April 1 to open Lake hatchery operations.

Arthur N. Lindberg, Inspector, CCC, Region Two, arrived via the north gate April 2; out fifth.

Paul G. Morken, Junior Engineer, U. S. Geological Survey, Boise, Idaho, in north April 3.

Major A. F. Sullivan, Commanding Officer CCC, Missoula, Montana, in north April 4.

C. W. Buntin, Special Assistant to the U. S. Attorney, Lewistown, Montana, in north April 7; out eighth.

Jack S. Barrows, Associate Forester, National Park Service, Washington, in north April 11; out thirteenth. He returned on April 28 for the Ranger Conference and Fire School.

George Baggley, Superintendent, Isle Royale National Park, in west April 14; out north fifteenth.

W. J. Watson, Ranger, Wind Cave National Park; Frank Childs, Regional Forester, Region Two, Omaha, and Charles Shevlin, Assistant Regional Forester, Region Two, Omaha, in north April 25 for Ranger Conference and Fire School.

P.R.A. Engineers Ed Cowan, Ed Anderson and O. D. Van Buskirk in east April 25 to start Bureau operations for the summer.

Thomas J. Allen, Regional Director, Region Two, in east April 27.

Captain E. S. Luce, Superintendent of Custer Battlefield National Cemetery, in north April 27 to attend Ranger Conference.

Newell F. Joyner, Custodian, Devils Tower National Monument, in north April 27 to attend Ranger Conference and Fire School.

J. Barton Herschler, Chief Ranger, and Charles Humberger, Park Ranger, Rocky Mountain National Park, in east April 27 to attend Ranger Conference and Fire School.

Allyn Hanks, Chief Ranger, Grand Teton National Park, in south April 27 to attend Ranger Conference and Fire School.

Charles L. Smith, Superintendent, Grand Teton National Park, in south April 28; out twenty-ninth.

S. T. Carlson, Associate Forester, Region Three, Santa Fe, New Mexico, in north April 30 for Fire School.

Wilbert R. Krumm, Fire Weather Official, Intermountain Region, U. S. Weather Bureau, Boise, Idaho, in west April 28 for fire school.

150 - Maps, Plans and Surveys

Master plan drawings and development outlines were completed early in the month and forwarded to the Regional Office. Field work was carried on principally in connection with current CCC projects.

160 - General Publicity

Several press releases regarding the opening of park roads were sent out from the park.

200 - Maintenance, New Construction and Improvement

210- Maintenance

Snow removal continued throughout the month and all highway sections, with the exception of the road over Mt. Washburn, were opened to traffic on the last day of the month. Permanent seasonal section crews were established at Gallatin, Madison, Old Faithful, Tower Junction, East Entrance, and Mammoth and two traveling crews were performing necessary work on other sections.

220 - New Construction

Project F.P. 722, in connection with the acquisition of private lands, was started on April 7 and was active throughout the month. Work consisted of a general cleanup and landscaping of the area, boundary marking, and an

Thomas T. Wilson, Regional Director, Boise, Ida. [illegible]

Charles E. W. Jones, Superintendent of Parks [illegible] Department, in [illegible] April 23 to attend Junior Conference.

Harold T. Joyner, Berkeley, Calif. [illegible] April 23 to attend Junior Conference [illegible].

T. Turner Hawkins, Chief Ranger, [illegible] Moody Foundation National Club, in [illegible] April 27 to attend [illegible] and Life Council.

Alan Ross, Color Guard, [illegible] April 27 to attend Junior Conference [illegible].

Charles L. Smith, Superintendent, [illegible] April 28, [illegible].

R. T. Carlson, Executive Director, [illegible] to [illegible] April 30 for Film Council.

Albert L. Green, Film Review Critical, [illegible] Boise, Idaho, in May [illegible] for film council.

120 - Boys, Girls and Youth

Review plan [illegible] in the month [illegible] as [illegible].

121 - Personal Activity

Period [illegible] on [illegible] the park.

220 - Maintenance, Use [illegible]

221- Maintenance

Now reported maintenance [illegible] with the exception of the road over [illegible] on the high [illegible] published in [illegible] and removed and the [illegible] [illegible].

210 - Use Classification

Project S.P.- 222, in connection with the [illegible] was started on April 1 and was active [illegible] of a general clearing and [illegible] [illegible]

extension of the water and irrigation system in the vicinity of the Game Ranch.

230 - Special Improvement Activities

CCC - During April there were two CCC Companies in Yellowstone National Park, Camp NP-1, Mammoth, and Camp NP-7, Glen Creek. The average company strengths and average number of enrollees used by the work agency were as follows:

	Average Co. Strength	Work Agency
NP-1, Mammoth	160	101
NP-7, Glen Creek	171	117

On April 7, 1941, 55 new enrollees were received in Camp NP-1 and 45 in Camp NP-7. For this reason the company strengths were around 180 during the middle of the month but have now dropped to approximately 170. There were no side camps operated during the month.

The main jobs for these two camps were as follows: Nursery, Game Ranch; Fireplaces, Mammoth; Preparation of Materials, Mammoth; Minor Road, Mammoth; Cottage, Mammoth; and Grading, Housekeeping Cabin Area, Mammoth.

The progress on all jobs was good due to the high company strength and favorable weather conditions. The two foremen positions open in the above two camps have not been filled to date. There were no jobs completed during the month.

300 - Activities of Other Agencies in the Park

310 - Park Operators

The Old Faithful store was open to accommodate visitors on April 1 and the Lake store on the twenty-third. The Gardiner Garage reopened on April 1. C. A. Hamilton arrived on April 14 and J. E. Haynes on the twenty-ninth.

320 - Cooperating Governmental Agencies

Public Roads Administration Projects: The Public Roads Administration began organization of its engineering forces in the park during the last week of the month and Lowdermilk Brothers opened their construction camp at Canyon for work on their project in that area.

400 - Interpretation

410 - Lecture and Guide Service

On April 12 the class in Wildlife Management from the Utah Agricultural College at Logan, Utah visited the park and was conducted by Assistant Park Naturalist Condon through the museum and given a talk on the wildlife of the park.

Each Wednesday during the month the nature school for the school children in Mammoth occupied the attention of one of the naturalists and this work involved several field trips for the group of children - 13 in number.

Assistant Park Naturalist David Condon made a special trip to Bozeman, Montana, on the seventh where he lectured on Yellowstone National Park to 460 people. Thirty-two hundred feet of movie film were used at this lecture.

Seasonal Ranger-Naturalist George Marler continued his lecture work in Idaho until April 4. This work is under the direction of the Emergency Conservation Committee of the National Audubon Society. Between January 30 and April 4 Mr. Marler gave 74 lectures in high schools, civic clubs, colleges, and gun clubs in Eastern Idaho to a total attendance of 24,687. This work was done with the object of publicising the importance of saving Trumpeter Swan outside of Yellowstone National Park and the wildlife refuges where they are protected. As it seems now as the population in the protected areas increases there is going to be a greater overflow to adjoining areas and therefore the greatest menace the birds have at the present time is from uninformed or illegal hunters.

500 - Use of Park Facilities by the Public

510 - Increase or Decrease in Travel

The west entrance, which was open to travel the entire month of April shows an increase of 9% over April 1940 travel. The east entrance which was opened to travel on April 23, two days earlier than last season, shows an average of 20 cars per day, first entry this year, for the eight days in April, as compared with 17 cars per day for the six days in April 1940. Total cars entering for the month show an increase of but 3% over last April which is reflected in a decrease at the north entrance of 9% over last season for the same month, principally first entry cars.

April 1941
Travel by Gates

ENTRANCE	First Entry		Re-Entry		TOTALS	
	Cars	Pass.	Cars	Pass.	Cars	Pass.
South	- -	- -				
North	399	1070	381	945	780	2015
West	552	1611	39	97	591	1708
East	158	296	3	14	161	310
Northeast			128	307	128	307
TOTALS	1109	2977	551	1363	1660	4340

No entries under "Motorcycles" of "Other Transportation"

10-157
(Dec. 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

Yellowstone National Park for the month of April, 1941

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase for Travel Year	
					Number	Percent
PRIVATE TRANSPORTATION:						
Cars first entry	1109	4261	1043	5366	-1105	-20.6
Cars reentry	551	4479	570	4902	- 423	- 8.6
Motorcycles		1			1	100.0
Total motor vehicles . . .	1660	8741	1613	10268	-1527	-14.9
Persons entering via motor vehicles	4340	24900	4084	28753	-3853	-13.4
Persons entering via other private transportation . .						
Total persons entering via private transportation .	4340	24900	4084	28753	-3853	-13.4
OTHER TRANSPORTATION:						
Persons entering via stages .						
Persons entering via trains .						
Persons entering otherwise . .						
Total other transportation .						
GRAND TOTAL ALL VISITORS . .	4340	24900	4084	28753	-3853	-13.4

	This Year	Last Year	Increase	
			Number	Percent
Automobiles in public camps during month				
Campers in public camps during month				

U. S. GOVERNMENT PRINTING OFFICE 6--9880

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

TRAVEL REPORT

Yellowstone National Park for the month of _____ 19__

	This Month	This Travel Year To Date	This Month Last Year	Last Travel Year To Date	Increase (or Decrease) Travel Year	
					Number	Percent
PRIVATE TRANSPORTATION:						
Cars first entry	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cars reentry	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Motorcycles						
Total motor vehicles . . .	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Persons entering via motor vehicles	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Persons entering via other private transportation . .						
Total persons entering via private transportation .	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OTHER TRANSPORTATION:						
Persons entering via stages .						
Persons entering via trains .						
Persons entering otherwise . .						
Total other transportation .						
GRAND TOTAL ALL VISITORS . .	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

	This Year	Last Year	Increase	
			Number	Percent
Automobiles in public camps during month				
Campers in public camps during month				

520 - Special Visitors: Mark Smith, President, Kiwanis International, in north April 13; out west fourteenth.

600 - Protection

610 - Ranger Service

All Protection Department personnel attended the Ranger Conference April 28 to 30. The first day was devoted to police training with Mr. J. M. Hirst of the Billings Police Department acting as instructor. The remaining two days occupied a discussion of regular Protection Department activities.

Three gates were open to travel the entire month and three of the interior stations were occupied for the season. Preparation for the sale of permits, the ranger conference and the transfer of personnel to new stations were important activities for the month. Headquarters personnel devoted considerable time to the land acquisition program.

630 - Wildlife Protection and Fish Cultural Activities

Bears: Black bears were frequently seen along the park roads during the latter part of the month and several bear damages occurred in buildings where food was stored.

Buffalo: The Lamar buffalo herd ranged during April from the mouth of the Lamar River to the vicinity of the ranch. Receding snows and growth of some green grass provided sufficient forage for the animals although certain areas were heavily grazed.

The first buffalo calf was observed on April 6 and by the close of the month several dozen were seen in the herd.

On April 3, eighteen young buffalo, including 3 males and 15 females, were shipped by truck to be transplanted in the San Rafael Grazing District of Utah. It was subsequently learned that all of these animals were transported safely and released in good condition. About 35 buffalo are being held at the ranch for transfer to the summer show range in June.

Trumpeter Swan: First trumpeter swan were observed in the Lamar-Slough Creek area on April 3. Five to seven of these birds have been seen since that time on the ponds in this area.

Fish: Between April 11 and 25 several loads of Loch Leven trout fingerling were planted in the park from the Emigrant and Big Timber state hatcheries. These fish were transported with state equipment and the planting supervised by a park ranger. Plants are summarized as follows:

Gardiner River	41,000
Firehole River	194,400
Madison River	99,000
Total for Month	334,400

680 - Accidents

Five automobile accidents were reported during the month. A Government car was involved in a minor accident and two persons were injured in an accident on the Gallatin road inside the park which was investigated by the Montana Highway Patrol.

900 - Miscellaneous

A son was born to Park Ranger and Mrs. Walter H. Cammill at the Park Hospital, Livingston, Montana, April 9.

A daughter was born to District Park Ranger and Mrs. Frank Anderson at the Cody Hospital on April 10.

Superintendent

VRS

. 1030–Met'l.

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU

MONTHLY METEOROLOGICAL SUMMARY

ON YELLOWSTONE PARK, WYO. MONTH April, 1941.

TEMPERATURE, °F.				RELATIVE HUMIDITY (Percentage)			PRECIPITATION		WIND			WEATHER		Date
Maximum	Minimum	Mean	Normal mean	A. M.*	11;30 a.m. Local noon	P. M.*	Total (inches)	Snowfall (inches), p. m. to p. m.* (unmelted)	Prevailing direction	Highest velocity	Direction	Percentage of possible sunshine	Character of day (a)	River stage (feet)
47	30	38	32	79	62	72	0	0	N	18	N	47	Cloudy	1
45	27	36	33	85	68	57	.07	0.2	N	13	NW	42	Cloudy	2
48	29	38	33	95	69	56	.07	2.2	SW	26	SW	36	Cloudy	3
49	29	39	33	65	46	43	.00	0	SW	18	SW	92	Cloudy	4
50	30	40	34	89	75	87	.24	T	N	23	NW	24	Cloudy	5
40	28	34	34	93	91	54	.03	1.2	N	15	NW	22	Cloudy	6
46	27	36	34	89	51	53	T	T	NW	20	NE	60	Cloudy	7
49	21	35	35	89	42	29	0	0	NW	13	NW	100	Clear	8
54	22	38	35	70	38	29	0	0	SW	13	S	79	Pt.Cldy	9
50	30	40	35	64	67	61	.02	T	SW	13	SW	39	Cloudy	10
45	28	36	35	70	59	46	.01	T	SW	25	SW	65	Pt.Cldy	11
53	22	38	36	83	49	42	.00	0	N	18	N	81	Pt.Cldy	12
38	32	35	36	79	86	72	.09	T	NW	26	N	31	Cloudy	13
50	28	39	36	71	40	42	0	T	N	18	N	92	Clear	14
56	26	41	37	81	49	69	.02	T	W	20	SW	71	Pt.Cldy	15
39	24	32	37	97	81	97	.49	3.3	N	24	NW	0	Cloudy	16
26	18	22	37	92	80	82	.07	2.5	N	19	N	46	Cloudy	17
28	11	20	37	92	69	65	.T	T	N	21	NW	50	Cloudy	18
38	8	23	38	90	69	65	0	0	NW	18	NW	92	Clear	19
47	17	32	38	65	61	40	0	0	W	15	N	64	Pt.Cldy	20
52	24	38	38	72	38	40	0	0	N	13	N	88	Pt.Cldy	21
54	26	40	39	86	65	36	T	T	NW	15	N	75	Clear	22
59	27	43	39	71	38	31	0	0	W	18	W	95	Clear	23
57	31	44	39	66	53	81	.04	0	NE	21	N	53	Cloudy	24
44	35	40	40	98	93	84	.13	0	N	12	N	14	Cloudy	25
60	36	48	40	80	53	38	0	0	N	16	NW	70	Pt.Cldy	26
58	36	47	40	81	47	89	.02	0	S	15	N	45	Cloudy	27
60	33	46	41	85	60	39	0	0	S	13	NW	72	Pt.Cldy	28
63	31	47	41	84	38	35	0	0	W	13	E	94	Clear	29
64	32	48	41	81	29	32	0	0	S	17	SW	94	Clear	30
49.0	26.6	37.8		81	58	56	b 1.30	b 9.4	N	c 26	c SW	61		
47.8	25.8	36.8		76	49	51	1.13	9.1	SW					

5:30 a. m. and p. m., 105 th meridian time. T indicates a trace of precipitation. a Sunrise to sunset. b Total. c Monthly.

SUMMARY

BAROMETRIC PRESSURE

y mean 29.99

t 30.43, date 20

29.43, date 5

TEMPERATURE

t 64, date 30

8, date 19

es this month since 1904; highest 74, lowest -3

e daily departure +1.0

e daily departure since January 1, +4.3

egree days 817

PRECIPITATION

st amount in 24 hours 0.53, date 16-17th.

re from normal this month +0.17

lated departure since Jan. 1st., -0.29

l, greatest 24-hour amount 5.7, date 16-17;

on ground on 15th 0, and at end of month 0

WIND

Prevailing direction N, average hourly velocity 7.8

Highest wind velocity this month since 1904

38 miles from SW, on 11, in 1922

WEATHER

Number of days clear 7, partly cloudy 8, cloudy 15 with measurable precipitation (0.01 inch, or more) 13

MISCELLANEOUS PHENOMENA—DATES OF

Hail 0

Halos, solar 9; halos, lunar 0

Fog, light 0; fog, dense 0

Frost, light --, heavy --, killing† -

Sleet 0

Thunderstorms 10, 24

Duststorms

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

MEAN TEMPERATURE AND TOTAL PRECIPITATION THIS MONTH IN—

		83		95		07	34.2	19	39.4	31	37.8	0.95
		84		96		08	39.4	20	30.6	32	36.6	1.06
		85		97		09	30.8	21	34.6	33	35.0	0.91
		86		98		10	43.2	22	33.2	34	44.6	1.14
		87		99		11	34.2	23	34.8	35	33.4	2.07
		88		00		12	36.1	24	35.6	36	38.5	1.64
		89		01		13	38.3	25	40.2	37	35.2	1.54
		90		02		14	38.0	26	40.6	38	38.4	1.32
		91		03		15	45.0	27	33.9	39	40.8	0.88
		92		04	38.7	16	38.4	28	33.3	40	38.2	1.94
		93		05	37.3	17	30.6	29	34.0	41	37.8	1.30
		94		06	38.2	18	32.9	30	43.8	0.62	42	

Charles L. Howard,
Weather Bureau.