UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Yellowstone National Park, Wyoming 83020

IN REPLY REFER TO:
A2615

March 10, 1966

Summary of February 1966 Monthly Narrative Report

		Page
WEATHER	Temperature moderate, very little snow. Maximum temp - 50° at North Entrance 2/25 Minimum temp - -27° at West Yellowstone 2/15	1
TRAVEL	1,951 visitors, same as February 1965 SNOWMOBILES. Harold Young, 21 trips -- 500 pass. Howard T.Kelsey,27 trips--643 pass.	
	Oversnow vehicle travel increasing	1-2
SNOW COURSE	Data for month	2
SPECIAL ACTIVITIES	Dr. Pengelly, Msla., in Feb. 11 and 12 with 15 wildlife students; Group from Gardiner in Feb. 17, discuss plans for prop. constr and installation water system;	
	Barmore to Southeastern Idaho Interagency meeting Feb. 21. Participated in program; Utah State U, Logan group of 36 grad. and undergrad. students in wildlife, forestry, etc. in for 3 days	
	Supt. in Waso Feb. 26 for remainder of mo. on concession and other activities;	
	Aubrey L. Haines, Park Historian, honored by English Speaking Union; chose his 1965 edition of book "Journal of a Trapper" as an American Ambassador Book	
	Supt. and Staff to 50th anniv. of NPS dinner in Livingston, Feb. 11, sponsored by Comm. concerns of Mont.	
	Supt. Staff meetings 2/10 and 25	3-4
PERSONNEL Transfer In	Robert R. Budlong, 2/27 Rpbert D. Metherell, in June	
" Out	Jesse D. Wharton, 3/27	4

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

Yellowstone National Park, Wyoming 82190

March 15, 1982

REPLY REFER TO:
[illegible]

Memory of February 12th Meeting, Yellowstone Lake

[illegible]

Temperature conditions: [illegible]
Bottom temp - 32° at [illegible]
Windows temp - -42° at [illegible]

[illegible]

[illegible] vandalism [illegible]
[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]
[illegible]
[illegible]

[illegible]

[illegible]	Training session in-company technical [illegible]	
[illegible]	at Tower Hill and St. Catherine,	
	School set parents;	[illegible]
[illegible]	3 motor vehicle accidents reported	
[illegible]	A total of 3 for year, compared to 10 for last	[illegible]
[illegible]	Major maintenance in Kenwick area,	
[illegible]	Materials for water measuring project arrived	
	Standardized system of lamps --10 installed	
	Gateways occupied by scaffolds at St Catherine	
	Oil heater installed at [illegible]	[illegible]
[illegible]	Working on supplies pending order, [illegible]	
	removal of loading dep	[illegible]
[illegible]	Fire hydrant inspections started	
[illegible]	in Kenwick	
	Fire in bldg. No. 1[illegible], [illegible] - 100	[illegible]
[illegible]	Boring operations at crude bagas [illegible]	[illegible]
[illegible]	Hydrant Inspection Prelude Bldg on [illegible]	
[illegible]	[illegible], working with [illegible] and [illegible]	[illegible]
[illegible]	New [illegible] between system with [illegible]	
[illegible]	under [illegible]	
[illegible]	Tracer boring [illegible] in [illegible]	[illegible]
	[illegible]	
	Building [illegible]	
	Letters at [illegible] bldg. being cleaned	
[illegible]	Kik-[illegible]-hour [illegible]	
	4 door [illegible] by [illegible], for [illegible]	
	[illegible] [illegible] [illegible]	[illegible]
[illegible]	By [illegible] [illegible] [illegible] [illegible]	
[illegible]	for successful [illegible] of [illegible]	
	In [illegible] [illegible] of [illegible]	[illegible]
[illegible]	[illegible] [illegible] [illegible] [illegible]	[illegible]
[illegible]	[illegible] [illegible] [illegible] [illegible] [illegible]	[illegible]
	[illegible] [illegible] in [illegible] study	[illegible]
	[illegible] [illegible] [illegible]	[illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Yellowstone National Park, Wyoming 83020

IN REPLY REFER TO: A2615

March 10, 1966

Memorandum

To: Director

From: Superintendent, Yellowstone

Subject: Superintendent's monthly Narrative Report, February 1966

General

Weather Conditions. Temperature was moderate during the month of February, with very little snow accumulating on the ground. Nighttime temperatures were below zero during the middle of the month. Bare hillsides on south-facing slopes were evident from the North Entrance to above Soda Butte.

Snow survey readings for all stations reported were below average, or 75 percent of average water content. Monthly precipitation totaled 4.08 inches or 2.69 inches below the precipitation totals for February 1965.

	Maximum Temperature			Minimum Temperature			Snow Depth EOM	
North Entrance	50	degrees	2/25	0	degrees	2/15	-	
Mammoth	46	"	25	-13	"	15	4.5	inches
Tower Fall	44	"	21	-15	"	9	16	"
Lamar	41	"	21	-19	"	15	-	"
Old Faithful	40	"	22&23	-22	"	15	39	"
Northeast	40	"	24	-17	"	15	26	"
W. Yellowstone	38	"	19	-27	"	15	26	"

Increase or Decrease in Travel. There were 1,951 visitors to the Park during February which is the same as February 1965 travel.

Northeast Entrance reported heavier visitor travel than the comparable period last year, especially on weekends. This local increase in winter travel may be the result of the successful operation of a new lodge-eating facilities at Cooke City.

Last year's Special Elk Hunting Season in the Gardiner vicinity caused a heavy influx of visitors at the North Entrance. There was not a Special Season this year and a resultant 52 percent decrease in travel was reported for the 1966 period.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Yellowstone National Park, Wyoming 82190

IN REPLY REFER TO:

Memorandum

To: Director

From: Superintendent, Yellowstone

Subject: Superintendent's Annual Narrative Report, [illegible]

Weather

Winter Conditions. Temperatures were moderate during the month of February with very little snow accumulating on the ground. Plowing was unnecessary. Roads have been clear during the middle of the month. Here [illegible] are not [illegible] along slopes were evident from the Mammoth Entrance to [illegible].

Snow survey readings for all stations reported more than normal snowfall, or 73 percent of average water content. Monthly precipitation totals are [illegible] inches or 1.57 inches below the precipitation totals for February 1974.

Ranger Department Ranger Department Non-Duty Log

North Entrance	70 degrees	21[illegible]	0 degrees	[illegible]	[illegible]	[illegible]	[illegible]
Mammoth	46	23	-12	[illegible]	[illegible]	[illegible]	[illegible]
Tower Fall	44	21	-11	[illegible]	[illegible]	0	10
Lamar	41	21	-12	[illegible]	[illegible]	13	[illegible]
Old Faithful	40	[illegible]	-22	[illegible]	[illegible]	15	55
Fishing	40	24	-17	[illegible]	[illegible]	[illegible]	[illegible]
S. Entrance	36	23	-14	[illegible]	[illegible]	11	[illegible]

Increase or Decrease in Travel. There was [illegible] visitors in the park during February which is the most so February last year.

Northern Entrance reported heavier visitor travel than the comparable period last year, especially on weekends. This local increase in winter travel may be the result of the weekend operation of a new food-service facility at Grand City.

Last year's special big running season in the Gardiner vicinity caused heavy loading of visitors at the North Entrance. There was no [illegible] season this year due to a resulting 52 percent decrease in travel for [illegible] for the 1975 season.

SNOWMOBILES. Harold Young made 21 trips and carried 500 passengers from West Yellowstone to Old Faithful and return; Howard T. Kelsey made 27 trips and carried 643 passengers.

Due to the increased use of oversnow vehicles, travel has more than doubled over last year into Old Faithful. The statistics are as follows:

		Passengers
Commercial vehicle trips this month	120	1143
Private vehicle trips this month		57
Total trips this month		1200

SNOW COURSE DATA. The following is a list of snow courses taken at the end of February 1966. The data tabulated gives the percent of water content as expressed over a 15-year average as calculated by the Soil Conservation Service. The years 1948-1962 are used to express the 15-year average.

	Date Taken	Snow Depth	Water Content	15-Year Average Water Content	Percent of Average	Section of Park
Northeast	2/28/66	22.05	5.05	7.5	67	N
Lupine	3/ 1/66	32.86	7.5	9.5	79	N
Norris	2/27/66	30.1	7.1	9.0	79	N
New Lake #2	2/28/66	29.0	5.5)-	9.0	61	S
New Lake #1	2/28/66	32.0	6.2)			
Canyon	2/27/66	39.2	9.8	13.1	75	N
Sylvan Pass	3/ 1/66	39.6	8.7	12.6	69	S
East Entrance	3/ 1/66	35.4	7.3	10.4	70	S
Lewis Divide	2/26/66	81.0	30.1	38.1	79	S
Aster Creek	2/26/66	66.0	23.5	28.3	83	S
West Thumb	2/26/66	51.0	17.1	20.0	86	S
Coulter Creek	2/28/66	55.0	16.3	20.6	79	S
Snake River	2/26/66	48.0	15.1	18.6	81	S

Precipitation Totals	
Snake River	2.05
Tower Fall	.54
Lamar	.27
Lake	.92
Mammoth	.30

Average Water Content	
North	75 pct.
South	76 pct.
PARK AVE.	75 pct.

[illegible]. Harold Young made 21 trips and carried 309 passengers for Mount Wolverine Co Ltd Skiing and return Monday 7. Harry made 27 trips and carried 340 passengers.

Due to the increased use of commercial vehicles, [illegible] recorded over last year into Old Faithful. The statistics are as follows.

		Percentage
Commercial vehicle trips this month	164	16%
Private vehicle trips this month		87
Total trips this month		(100

SNOW COURSE DATA. The following is a list of snow survey results in end of February 1960. The data indicate plus the percent of water contents as expressed over a 15-year average as calculated by the Conservation Service. The years 1949-1958 are used in arriving at 15-year average.

Date Taken	Snow Depth	Water Content	15-Year Average Water Content	Percent of Average	Decision of Flow
Northeast	2/24/60	22.00	4.05	7.3	80	M
Lupine	3/ 1/60	32.00	7.3	5.3	79	M
Morris	2/27/60	30.1	7.1	6.0	80	[illegible]
New Lake #1	2/24/60	27.0	5.5	[illegible]	61	[illegible]
New Lake #2	2/24/60	32.0	6.5			
Canyon	2/27/60	32.2	6.6	12.1	75	[illegible]
Grizzly Pass	3/ 1/60	23.5	6.1	11.0	64	[illegible]
Bear Reservoir	3/ 1/60	23.5	7.3	[illegible]	74	[illegible]
Lewis Divide	2/24/60	21.1	10.1	6.1	15	[illegible]
Aster Creek	2/24/60	16.7	10.1	4.3	10	[illegible]
West Thumb	2/26/60	32.0	17.1	10.0	18	[illegible]
Conifer Creek	2/23/60	35.7	16.0	[illegible]	42	[illegible]
Snake River	2/23/60	44.0	15.1	[illegible]	11	[illegible]

Precipitation Data

			Average Water Content
Snake River	1.00	North	72 pct.
Tower Fall	.84		
Lamar	.57	South	14 pct.
Lake	.42		
Average	.78	West Ave.	43 pct.

Special Activities. Dr. Leslie Pengelly, Wildlife Instructor and Dr. Richard Taber, University of Montana, accompanied by 15 wildlife students visited the Park for a 30-hour night session and a day's field session on Yellowstone's wildlife management program, February 11 and 12.

On February 17, Mr. L. L. Callison, Acting Secretary, Gardiner-Park County Water District, Gardiner, Montana and representatives of the Gardiner community, visited the Superintendent to discuss proposed plans for construction and installation of an adequate water system for the Town of Gardiner. If proposed plans are effected, the existing ditch and flume across Park lands which conveys water to generate power for the existing water system may be abandoned. This would save the Park an estimated $50,000 in providing a road crossing relative to the reconstruction of the North Entrance-Mammoth Road.

Biologist Barmore attended the Southeastern Idaho Interagency meeting in Idaho Falls, February 21. Present were members of the U. S. Forest Service, Bureau of Land Management, Idaho Fish and Game Department, Wyoming Game and Fish, and Utah Fish and Game Department. Barmore presented his aspen paper and information on elk herd response to the reduction, Northern Yellowstone herd. A special report covering this activity has been submitted.

On February 24, 25 and 26, Dr. Fred Wagner, Associate Professor of Wildlife Management, Utah State University, Logan, Utah accompanied by 36 graduate and undergraduate students in wildlife fisheries, forestry and zoology made their annual wildlife management trip to the Park. A copy of the program presented is enclosed. The Superintendent and staff members talked to the group. West District Naturalist Stanley G. Canter took the group to Norris Geyser Basin on February 26.

The Superintendent went to Washington, D. C. on February 26 in connection with concession and other Park activities. He was in the Director's office for the remainder of the month.

Aubrey L. Haines, Park Historian, has been honored by the English Speaking Union by having his 1965 edition of the book "Journal of a Trapper" chosen as an American Ambassador Book. This honor is extended to two books annually that show exceptional quality and portray the American way of life. A book so selected is included in diplomatic foreign libraries around the world. The 1955 edition of this book also received the Rounce and Coffin award. "Journal of a Trapper" is the factual narrative of Osborne Russell, an early Rocky Mountain trapper. It covers the period from 1834 to 1843, and is probably the best account of a trapper's life in the Rockies when the fur trade was at its peak. Mr. Haines has edited this journal to make it not only interesting to the casual reader but also an outstanding reference book for historical research.

Commercial concerns in Montana gave a dinner for the Park Concessioners in Livingston at the Country Club on February 11. The Superintendent and members of the Park staff were invited to the event which featured the 50th anniversary of the establishment of the National Park Service. A special poster suitable for framing was presented those attending featuring the Anniversary, the text of which was prepared by former Director Horace M. Albright, and photographs by Haynes Studios of events in Yellowstone circa 1916.

Superintendent's Staff meetings were held February 10 and 25.

Administration

Payroll for the period ending February 12 amounted to $37,351.45. There were 143 employees on the payroll for the period, compared to 161 a year ago.

The last payroll which was processed by the Yellowstone National Park Field Finance Office was for the pay period ending February 12. This function was transferred to the Midwest Region FFO, and all future Yellowstone payrolls will be processed through their ADP equipment.

Personnel

Transfers In: Robert R. Budlong, Management Assistant, GS-12, from the Western Regional Office, San Francisco, effective 2/27/66.

Robert D. Metherell, Staff Park Ranger, GS-11, Yosemite, has been selected from the Servicewide Career Development and Placement Plan for the position of Park Ranger (Wildlife Management) GS-12, effective about the first of June.

Transfer Out: Jesse D. Wharton, Power Plant Operator, will transfer to Grand Canyon National Park, March 27, as Maintenanceman.

Abolished: Position No. 2 101 0020 25, Park Naturalist, GS-7, was abolished by classification action of the Regional Office.

Reassignment: Bobby Quesenberry was reassigned to the permanent position of Signmaker, effective February 28.

The Regional Office established a GS-7 Personnel Staffing Specialist position, not to be filled concurrently with position No. 2 101 0010 29. Approval has been received to reassign Edwin N. Chamberlin to this position, effective when the Yellowstone Field Finance Office is phased out during March.

Commercial announce in Jackson gave a dinner for the less [illegible] in Livingston at the Country Club on February 11. The Superintendent and members of the [illegible] staff were invited to the event held [illegible] the 30th anniversary of the establishment of the National Park Service. A special power suitable for [illegible] was produced [illegible] attending [illegible] anniversary, the text of which was [illegible] by [illegible] Director Horace M. Albright, and photographs by [illegible] in Yellowstone circa 1916.

Superintendent's staff meetings were held February 17 and 23.

Administration

Payroll for the period ending February 12 amounted to $[illegible]. There were 141 employees on the payroll for the period, compared to 141 [illegible] ago.

The last payroll which was processed in the Yellowstone National Park Field Finance Office was for the pay period ending February 12. This function was transferred to the Midwest Region [illegible], and all future Yellowstone payrolls will be processed through that [illegible].

Personnel

Transfers in: Robert K. Bulkley, Management Assistant, GS-11, from the Western Regional Office, San Francisco, effective 3/27/[illegible].

Robert G. Kobayashi, Park Ranger, GS-11, Yosemite, has been selected from the Departmental Career Development and Placement Plan for the position of Park Ranger (Wilderness Management) GS-11, effective above the Chief of Ranger.

Terminations: Jesse R. Thorson, Power Plant Operator, will separate to Grand Canyon National Park, March 27, on reassignment.

Abolishes: Position No. 2 101 0000 11, Park Ranger, GS-11, was abolished by classification action of the Regional Office.

Reassignment: Robin Greenberry was reassigned to the permanent position of Dispatcher, effective February 27.

The Regional Office established a 13-7 Personnel Assistant specialist position, not to be filled overtime, with position No. 2 1[illegible] 0000 [illegible]. Approval has been received to reassign Robin K. Greenberg to this position, effective when the Yellowstone Field Personnel Office is placed out during March.

Career- Berrett W. Welker, Caretaker
Conditional (Subject-to-Furlough) Leo P. Michelcic, Truck Driver (H.D.)

All documents affecting employees' pay, such as W-4's, Standard Forms 50, Q-4's, etc., were forwarded to Midwest Region with Time and Attendance reports for the pay period February 13 through 26. Time and Attendance reports were reviewed for compliance of form and completeness of detail by the Payroll Section.

Sales to employees at the Supply Center were discontinued as of the close of business February 10.

All hands "turned to" in preparation for the close-out of Field Finance Operations, effective February 28.

In-Service Training. Personnel Officer Miller attended the two-week training session in "Supervision - An Institute for Trainers" conducted at Mather Training Center from February 16 to March 2. A training session has been scheduled for early April to make this training available to supervisory personnel of this Park.

Park Ranger Allen Nash attended a First Aid Training Course conducted by the U. S. Forest Service personnel at West Yellowstone, February 15 to 19th.

Gordon Boyd, Tower Sub-District Ranger, departed the Park February 25 to attend a forest fire control training session in Denver. The training extends to March 11.

Special Assignment. Assistant Chief Park Naturalist G. Bryan Harry has been assigned to the Washington Office for six weeks beginning February 21. He will be assisting in a team analysis of the National Park Systems Study. During his absence South District Naturalist Robert G. Johnsson will be Acting Assistant Chief Park Naturalist.

50th Anniversary. The special postmarking die hub, purchased by the Yellowstone Library and Museum Association to commemorate the 50th Anniversary of Yellowstone National Park is being used to postmark all outgoing mail at the local Post Office.

Spring Conference. The course outline for the Structural Fire Control Training School on April 18-22 has been completed. Informational material is being assembled for distribution use during the school.

Births. A son was born Sunday, February 20, to Kathleen and Gary Stork, in the memorial Hospital, Livingston. Weight 7 lbs., 11 ozs.
Name: Jeffrey Gary.

Career-Conditional (Subject-to-Through) Lee F. Michaelis, Jr., Clerk Typist (G.S.)

All personnel actions employees' pay, such as S-4's, Special Form 50, S-8's, etc., were forwarded to Indian Region with time and Attendance reports for the pay period February 13 through 26. Time and Attendance reports were reviewed for compliance of form and completeness of details by the Payroll Section.

Data to employees at the Supply Center were distributed as of the close of business February 16.

All hands 'turned to' in preparation for the close-out of Fiscal Finance operations, effective February 28.

In-Service Training. Personnel Officer Miller screened the two-week training session in "Supervision - An Problem for Foreman" conducted at Motor Training Center from January 14 to March 2. A training session has been scheduled for early April to make this training available to supervisory personnel at this area.

Park Ranger Allen Wall attended a Fire Ax Training Course conducted by the U. S. Forest Service personnel at Fort Valleyscreen, Tennessee, in the 1st.

Jordan Lopez, Lower Sub-District Ranger, reported the Fish Tennessee in to attend a Forest Fire Control training session in Denver. The training extends to March 11.

Special Assignment. Ranger Oscar Cut Rotenstal S. Ryan Berry has been assigned to the Washington Office for six weeks beginning February 11. He will be assisting in a time analysis of the national fire fighting study. During his absence Ranger Forest Underwater Abner [illegible] will be acting assistant Chief Park Ranger.

Job Anniversary. The special ceremonies for Mr. [illegible], the Yellowstone Library, the Indian Association in commemorative [illegible] anniversary of Yellowstone National Park to being held in parties in outgoing mail at the local post office.

Acting Conference. The course outline for the Professional Park Rangers Training School on April 15-21 has been completed. Instructional material is being assembled for distribution [illegible] during the school.

Births. A son was born Monday, February 24, to Darlene and [illegible] in the Jackson Hospital, Livingston. Weight 7 lbs., 11 ozs. Name: Jeffrey Gary.

A daughter was born February 22, in the Memorial Hospital, Livingston, Montana, to Clifford and Januita Ludwig. Weight 8 lbs., 11 ozs. Name: Mary Lou.

Miscellaneous. A Farewell Coffee was held February 9 for Ronald E. Cotten.

The regular monthly meeting of the National Federation of Federal Employees was held February 7.

Donald Armstrong, son of Mr. and Mrs. William Armstrong, Foreman II, Maintenance, and Catherine Kurtz, daughter of Postmaster and Mrs. Joe Kurtz, won first place and a trophy at a Speech Meet held in Great Falls Central High School in which approximately 750 pupils competed. Donald won first place in the Invitational Speech Meet, Class C, Boy's Extemporaneous. In the Festival Speech Meet Cathy won first place in Class C, for Oral Interpretation.

Conservation, Interpretation and Use

Interpretive Services and Planning. The draft of the Old Faithful Area prospectus was completed by West District Naturalist Canter. He also spent considerable time on planning implementation of the West District interpretive program for the coming visitor season.

Assistant Chief Park Naturalist Bryan Harry continued work on the self-guiding trail booklet for the Mammoth Terraces.

Museum and Exhibits. A new roadside sign has been designed for the Divide Creek Fire Lookout trail head.

A new temperature exhibit and Echinus Geyser directional sign for the Norris Museum are under construction.

YLMA. The Cooperating Associations Yearly Report was completed and forwarded to the Midwest Regional Office on February 23. Copies of the report, with letter of transmittal from Executive Secretary John M. Good, were mailed to all Board Members on February 25.

USGS. The Madison Junction seismograph was serviced on the 10th.

Research and Observation. A Restrak Recorder has been in operation at UNEXPECTED GEYSER during the month. The rangers at Old Faithful reported it erupted 26 times during the period February 1 through February 20. The mean interval for the period was 18.16 hours.

A daughter was born February 22, in the Memorial Hospital, Livingston, Montana, to Clifford and Jeanie Lindly. Weight 8 lbs., 11 ozs. Name: Mary Ann.

Miscellaneous. A farewell office was held February 4 for Lorene E. Cozzens.

The regular monthly meeting of the National Association of Railway Employees was held February 7.

Donald Gunderson, son of Mr. and Mrs. William Gunderson, Division 22, Maintenance, and Catherine Kurz, daughter of Mechanic and Mrs. Joe Kurz, won first place and a trophy at a French Horn Solo in Great Falls Central High School in which approximately 200 public competed. Donald won first place in the Traditional Jewish Music, Class B, for's Rhapsodrasonna. In the Classical Jewish Music Solo won first place in Class C, for Cori Interpretation.

Conservation, Interpretation and Use

Interpretive Services and Planning. The work of the Big Tongue Area prospectus was completed by Park Ranger Burnsides Owens. In this event considerable time on planning implementation of the park interpretive program for the coming visitor season.

Assistant Chief Park Naturalist Bryan Berry continued work on the Bell-Building trail guides for the Museum Terrace.

Museum and Exhibits. A new museum sign was made and was designed for the Divide Creek fire lookout trail head.

A new temperature exhibit and Kitchen Helper interpretive sign for the Morris Museum are under construction.

VIMA. The Cooperating Associations Yearly Report was received and forwarded to the Midwest Regional Office in February 14. Report by the report, with letter of transmittal from Executive Secretary Jack C. Cody were mailed to all Board Members on February 27.

UMCS. The Madison Junction seismograph was serviced on 1st 1st.

Research and Conservation. A Western Tanager has been in residence at Lunch Creek during the month. The rangers of big Bluegill reported it arrived 15 times during the period February 1 through February 28. The mean interval for the period was 14.14 hours.

The last known eruption for STEAMBOAT was February 5 at 3:21 p.m. On the 21st a Restrak Recorder was installed at this geyser. It was placed under the foot bridge over the runoff channel and it is hoped that information gained from the recorder may aid in rough predictions of Steamboat eruptions.

Ranger Activities. A training session held February 11 at Tower Fall for Ranger personnel was attended by Rangers Bohlin, Brown, Guilmette, Lindfors, Ladd, Scott, Nelson, L. Thompson, Orgill and Milligan. Maintenance and use of the Tiokol "Sprite", Bombardier "Muskeg", Tucker "Snowcat", Weasel, and the Ski-doo were demonstrated, and then a trip on the road to Mt. Washburn was made in all vehicles, with each participant operating each of the vehicles. Approximately four hours were devoted to this session.

Ski patrols were made to Fawn Pass and out to the Gallatin highway via Fan Creek; to Cache Creek cabin via the Thunderer Trail; up Cache Creek to Republic Pass and out Republic Creek to Cooke City to Kepler Cascades; Fern Cascades, Black Sand Basin and Fairy Falls.

Other ski patrols included trips to Specimen Ridge, Daisy Pass, Warm Creek to Pebble Creek campground, Trout Lake, Cache Creek via Lamar Trail, Druid Peak and Lupine snow course, and Shoshone Lake via Old Faithful and Lone Star Geyser.

During the first week in February, Assistant Chief Ranger Ashley and Sub-District Ranger Milligan traveled to East Entrance, then skied to Sylvan Pass to observe avalanche conditions.

February22-24 West District Naturalist Canter, Rangers Widmer and Morey made a ski patrol to Shoshone Geyser Basin.

Safety and Health. Three motor vehicle accidents were reported and investigated during February. A total of five motor vehicle accidents have been tallied for the year, compared to ten accidents for 1965 for the same period.

Buildings and Utilities. The carpenters, painters, plumbers, and electricians were occupied during the month with major maintenance in the Mammoth area.

The rest rooms were completed in the Communications and Fire Cache Building. The steam line has been installed to the B.R.C. washroom in the barn.

Most of the materials for the Mammoth power metering project have been ordered.

Ten locks have been installed in the Mammoth area in accordance with the project of installing a standardized system of Schlage locks throughout the Park.

The last known eruption for STRAMBOLI was February 2 or 3, 1951. On the 21st a Seismic Recorder was installed at this volcano. It was placed under the foot bridge over the Tuscil channel and it is hoped that information gained from the recorder may aid in rough predictions of Lassen's eruptions.

Ranger Activities. A training session held February 21 at Three Rivers for Ranger personnel was attended by Rangers Smith, Brown, Gilmartin, Mindtora, Lund, Scott, Nelson, L. Thompson, Orgill and Gilligan. Maintenance and use of the Model "Spring", Mountain "Monroe", Jeeps "Howard", "Kessel", and the Ski-doo were demonstrated, and then a trip on the road to St. Mathews was made in all vehicles, with each participant operating each of the vehicles. Approximately four hours were devoted to this session.

Ski patrols were made to Farm Pass and out to the Chalets highway via Fan Creek; to Cache Creek again via the Mundaker Trail; up Drake Creek to Republic Pass and our Republic Creek to Snake City to Kepler Cascades; Farm Cascades, Black Sand Basin and Kelly Falls.

Other ski patrols included trips to Geysers Lodge, Daily Pass, Farm Creek to Fobbin Creek campground, Trout Lake, Snake Creek via Lower trail, Broad Pass and Lupine Snow course, and Goodnoe Lake via Old Highway and Lone Star Geyser.

During the first week in February, Assistant Chief Ranger Kelly was Sub-District Ranger Milligan traveled to Park entrances, then skied to Farm Pass to observe avalanche conditions.

February 22-24 Park District Naturalist Cramer, Rangers Nielsen and Morey made a ski patrol to Snowshoe Geyser Basin.

Safety and Health. Three motor vehicle accidents were reported and investigated during February. A total of five motor vehicle accidents have been tallied for the year, compared to ten accidents for 1951 for the same period.

Buildings and Utilities. The carpenters, painters, plumbers, and electricians were occupied during the month with major maintenance in the Mammoth area.

The rest rooms were completed in the Communications and Fire Cache Building. The sewer line has been installed to the U.S.F. workmen in the barn.

Most of the materials for the Mammoth water metering project have been ordered.

Ten locks have been installed in the Mammoth area in accordance with the project of installing a standardized system of locking issue throughout the Park.

The quarters occupied by the New York University scientists at Old Faithful through January were again winterized and the plumbing systems drained.

A large new oil heater was installed in the duplex at West Entrance.

Building Fire Protection. The annual fire hazard and safety inspections were started on Government buildings in the Mammoth area.

On February 15, a fire occurred in building No. 133-A and B at West Entrance. It was caused by heat from the stove pipe from an oil heater igniting soot at the point of entry into the chimney. Damage was estimated at $50 for wall replacement by maintenance. A new oil heater was installed to avoid a similar occurrence.

Roads and Trails. The regular snow removal crew has been assigned to different tasks during the month as weather permitted; working on the employee parking area adjacent to the Administration Building, and removal of the loading ramp located across from the Supply Center.

Snow Plowing. The spring opening snow crew started operations on February 23. Snow plowing thus far has been relatively simple since the snow is soft and there is less snow than average.

Insects and Tree Diseases. Mr. L. Y. Berg, Midwest Regional Forester, attended a Blister Rust Control meeting at Yellowstone on the 10th with David A. Graham, Section Head, White Pine Blister Rust Control, U. S. Forest Service, Region 1; Charles Budge, Supervisory Park Ranger, Glacier National Park; Forestry Technician Reeves and Park Forester Myers, Yellowstone. The Regional Blister Rust Control program was reviewed and plans made for the 1966 operating season.

Forest Fire Protection. We have been in contact with Charles E. Syverson, Meterologist, U. S. Weather Bureau, Fire Weather Station, Boise, Idaho, on the new teletype network system being planned for tying in all the fire weather reporting stations of the cooperating and contributing agencies. A determination is being made as to the benefits to be gained for Yellowstone to be added onto this new system.

Concessioners. The Winter Meeting of the National Park Service and the Park Concessioners was held in the Murray Notel, Livingston, Montana, February 11. Many matters of mutual interest were discussed and the meeting was valuable to all concerned in coordinating plans and discussions for summer operations.

The proposed plan for closing the hydro plant at Mammoth and utilizing commercial power throughout Mammoth was presented. The concessioners reaction to this proposal was favorable.

the quarters occupied by the New York University laboratories at Old Fairhill through January were slight water damage and the plumbing system drained.

A large gas oil heater was installed in the duplex at West Entrance.

Building Fire Inspection. The normal fire hazard and safety inspections were started on Government buildings in the Nemoch area.

On February 15, a fire occurred in building No. 123-A (W) B (1) (...) Nemoch. It was caused by heat from the stove pipe from an oil heater igniting some of the paint of wood into the chimney. Damage was estimated at $50 for wall replacement by maintenance. A new oil heater was installed to avoid a similar occurrence.

Power and Utility. The engineer was informed that the new contract in Gilmore Park during the winter or further permanently utility on the employee parking area adjacent to the administration building, and remove of the loading dock [illegible] Park [illegible] Supply Co.-11).

[illegible]. The [illegible] February 21. [illegible] snow is not [illegible] in [illegible] [illegible].

Insect and Tree Diseases. [illegible] attended a Silver Blue Council meeting [illegible] David A. Crosse, [illegible] Forest Service [illegible] National Park Service [illegible] Yellowstone. The Regional Office [illegible] plans made for the [illegible] [illegible].

Forest Fire Prevention. [illegible] Dyersburg [illegible] Labor, in the [illegible] the fire weather [illegible] agencies. A [illegible] for [illegible] [illegible].

Conservation. The annual meeting of the Belmont [illegible] Park Conservancy was held in the Spring Field, Kolomoka, [illegible] February 21. Many matters of [illegible] [illegible] meeting was notable in all concerned in [illegible] [illegible] alternatives for [illegible] conservation.

The proposed plan for [illegible] the Lake [illegible] commercial power [illegible] was [illegible]. The [illegible] [illegible] by this proposal was favorable.

The Memorandum of Agreement between Yellowstone National Park and the authorized Concessioners relating to building fire organization and alarm systems within Yellowstone National Park was renewed for the period May 1, 1966 through May 1, 1967.

The letters on the front of the United States Post Office, Yellowstone National Park, in Mammoth have been taken down and are being cleaned. The wording "NATIONAL" has been ordered to match existing letters. The signing on the Post Office building should be completed before the Park opens.

Resource Studies. Resource Study Proposals for YELL-N-2, Response to Elk Herd Reduction, and YELL-N-4, Elk Migration Studies, were revised and a RSP for YELL-N-17-1 and 17, Antelope-Deer Relationships, was worked up.

The first mule deer collections were made for YELL-N-17, Antelope-Mule Deer Relationships, with primary emphasis on food habits. This study will work in well with Bart O'Gara's Ph. D. study on Antelope Reproduction, YELL-N-17-1. Six deer were taken by North District personnel during the month.

John Oldemeyer continued work on YELL-N-1, Rocky Mountain Bighorn Ecology.

Range. Snow depths did not increase significantly on any of the winter range throughout the month. On the lower range from Blacktail to Reese Creek, snow depths on ridgetops and southfacing slopes decreased significantly during the latter part of the month. This decrease was not as apparent from Tower Ranger Station to Soda Butte except on steep southfacing slopes.

Special Elk Hunting Season. A Superintendent's Order was issued in view of the special elk hunting season in Montana that began February 5, 1966 in the Gallatin area adjacent to the Park boundary. Under authority of Section 1.18, Chapter 1, Title 36, Code of Federal Regulations, the Superintendent closed a small portion of the Park to public use and provided that only hunters having legally killed game could carry their carcasses through the Park to U. S. Highway 191, after having first obtained a permit from a Park Ranger. This special season closed on February 13. It was not successful because of open weather. Only 56 elk were taken out of a quota of 200.

Wildlife and Fish Cultural Activities.
Wildlife Reduction Program. Reduction activities to date have been severely hampered by lack of snow and the resultant lack of winter elk concentrations. Elk are still widely scattered and in small groups. Bison trapping has also been ineffective for the same reason.

The memorandum of agreement between Yellowstone National Park and the authorized concessioners relating to building site curtailment and alpine spaces within Yellowstone National Park was renewed for the period May 1, 1966 through May 1, 1967.

The letters on the front of the United States Post Offices, Yellowstone National Park, in Mammoth have been taken down and are being cleaned. The working "MAMMOTH" has been ordered to match existing letters. The signing on the Post Office building should be completed before the park opens.

Resource studies. Resource Study Proposals for YELL-W-1, Mammoth to Elk Park Association, and YELL-W-2, Elk Migration Studies, were reviewed and a RSP for YELL-W-1/-1 and 1/, Antelope-Deer Relationships, was worked up.

The first male deer collections were made for YELL-W-1/, Antelope-Mule Deer Relationship, with primary emphasis on food habits. This study will work in well with Prof Pyle's on. O. going on antelope Interdiction, YELL-W-1/-1. Six deer were taken by Park Ranger personnel during the month.

John Giddings continued work on YELL-W-1, Rocky Mountain Bighorn Ecology.

Range. Snow depths did not increase significantly at any of the winter range throughout the month. On the lower range from Wickiup to Rose Creek, snow depths on ridgetops and southfacing slopes decreased slightly during the latter part of the month. This decrease was not as apparent from Tower Ranger Station to Soda Butte except on steep southfacing slopes.

Special Elk Hunting Season. A Superintendent's Order was issued in view of the special elk hunting season in Montana that open January 5, 1966 in the Gallatin area adjacent to the Park boundary. Under authority of Section 1.12, Chapter 1, Title 36, Code of Federal Regulations, the Superintendent closed a small portion of the Park to public use and provided that only hunters having legally killed game could enter while carrying the park to U. S. Highway 191, after having first obtained a permit from a Park Ranger. This special season closed on February 12. It was not successful because of open weather. Only 30 elk were taken out of a herd of 800.

Wildlife and Fish Biological Activities.

Wildlife Protection Program. Protection activities to date have been severely hampered by lack of snow and the resultant lack of winter elk concentrations. Elk are still widely scattered and in small groups. Bison trapping has also been ineffective for the same reason.

At month's end, reduction statistics were as follows:

Elk	Gallatin	Northern Yellowstone
Live shipped	88	989
Hunter kill outside Park	206	30
Biological collection	0	94
Trap loss	6	34
Total Reduction	300	1,147
Live trapped	484	1,645
Neckbanded and released	310	69
Retrapped elk	74	437
Escaped elk	6	44
Trap loss	6	34

Bison	Lamar	Hayden Valley-Nez Perce
Live shipped	0	45
Trap loss		3
Total Reduction	0	48
Live trapped	31	112
Neckbanded or eartagged	12	31
Retrapped bison	26	81
Escaped bison	1	0

Antelope	
Biological collection	83
Total Reduction	83

Deer	
Biological Collection	6

The Rangers at Old Faithful have been taking directional bearings and observations on two radio-instrumented elk in the area for the Craighead study.

At month's end, reduction statistics were as follows:

Elk	Bailiff	Percent Reduction
Live shipped	81	[illegible]
Cancer kill curable herd	356	31
Biological collection	3	[illegible]
Trap loss	6	[illegible]
Total Reduction	509	1,141
Live trapped	444	1,[illegible]
Marked and released	111	[illegible]
Estrayed elk	75	[illegible]
Escaped elk	4	14
Trap loss	6	[illegible]

Bison	Bailiff	Percent Reduction
Live shipped	0	13
Trap loss		2
Total Reduction	0	[illegible]
Live trapped	81	111
Marked and released	11	21
Estrayed bison	14	[illegible]
Escaped bison	1	[illegible]

Moose	
Biological collection	[illegible]
Total Reduction	[illegible]

Deer	
Biological Collection	0

The changes at Old Faithful have been taking place [illegible] observations on the resident-Yellowstone elk in the area for [illegible] carried out.

Big Game Trend COunts:

Date	Elk	Deer	Antelope	Bighorn Sheep
2/23	30	81	33	None

Fox — A red fox was observed seven miles from Northeast Entrance walking on the road, February 14.

Eagles — Two mature Bald eagles were observed at Eagle Bend, February 22

Swans — Fifteen Trumpeter swans were observed just east of the Seven Mile Bridge during February

Wolverine — Wolverine tracks were noted on a ski patrol a mile north of Republic Pass on February 25.

PUBLIC AFFAIRS

Publicity. On each Thursday the Yellowstone Weekly News was issued to keep employees, concessioners, and others currently informed of Park happenings.

Three press releases were issued: February 3, Robert E. Howe's reassignment; February 3, New Geyser in Yellowstone National Park; February 7, Aubrey L. Haines honored.

Public Relations. Assistant Superintendent J. A. Martinek presented an illustrated talk, "New Marina Developments, Yellowstone National Park," to the first annual Bonneville Sportsmen's Conservation Clinic, Idaho Falls, Idaho on February 24. There was an audience of approximately 55 people.

Contract.

Bill Chapman Gardiner, Montana	$15,346.00	Rehabilitate the exhibits in Mammoth and Fishing Bridge Museums

Rio Grande Island County:

Date	Fox	Deer	Antelope	Bighorn Sheep
1/23	30	21	33	None

Fox — A red fox was observed seven miles from Kirkwood towards walking on the road, February 14.

Eagles — Two mature bald eagles were observed at Eagle Island February 23

Geese — Sixteen Canadian geese were observed just east of the Rio Bridge during February

Polyerting — Motorcycle tracks were noted on a ski patrol during visit of Republic Pass on February 23.

PUBLIC AFFAIRS

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

Three press releases were issued: February 1, Robert E. Shaw's appointment; February 3, New Geyser in Yellowstone National Park; February 7, Aubrey L. Haines honored.

Public Relations. Assistant Superintendent J. C. Martinez presented an illustrated talk, "New Marine Developments, Yellowstone National Park," to the first annual Pocatello Sportsmen's Conservation Clinic, Idaho Falls, Idaho on February 24. There was an audience of approximately 15 people.

Operations.

Bill Chapman Gardiner, Montana	$13,340.00	Consolidates the activities in Gardiner and Fishing Bridge Museum

YELLOWSTONE NATIONAL PARK
DESIGN AND CONSTRUCTION NARRATIVE
February 1966

Plans, Maps and Surveys

The following plans were reviewed or approved as indicated:

Concessioner Working Drawing NP-YEL-8434, Cafeteria Remodeling, Old Faithful, recommended by Superintendent.

Concessioner Working Drawing NP-YEL-8308, Fishing Bridge Cafeteria Remodeling, recommended by Superintendent.

Master Plan NP-YEL-2285-F and 2287D, Canyon Vicinity, recommended by Superintendent.

Working Drawing NP-YEL-6228, Utility Connections and Driveways, Mammoth Residential Area, received for information.

Preliminary drawing NP-YEL-6227, South Rim Trails, Upper Canyon, concurred by Superintendent subject to comment.

Preliminary engineering drawings (in lieu of advance PS&E), North Entrance Road Project 2(1), recommended by Superintendent.

Concessioner Working Drawing NP-YEL-8307-A, LP Gas Installation, Mammoth Cafeteria, recommended by Superintendent.

Concessioner Working Drawing NP-YEL-8435, Conversion from Coal to Oil, Mammoth (Y. P. Co.), recommended by Superintendent.

Drawing NP-YEL-6233, Old Faithful By-pass -- comments submitted to WASO as requested by WODC.

Preliminary Drawing NP-YEL-6232, Parking Area, Roosevelt Arch, North Entrance. Not concurred. Comments to Region and WODC.

Concessioner Preliminary Drawing NP-YEL-8333, Laundromat and Shower Building, Canyon Village - reviewed but not submitted; Master Plan approval needed.

1969 and 1970 priority lists have been requested by Region and are in preparation.

Meetings attended by Assistant Superintendent Martinek included the following:

1/28 and 2/23: Safety Meetings

1/28 and 2/10: Staff Meetings

2/25: Annual Conservation Clinic, Bonneville Sportsmen's Association, Idaho Falls, where he presented an illustrated talk

2/11: Concessioner Meeting, Livingston, Montana

The only construction project on which work was in progress during February was the Norris By-pass, on which a limited amount of clearing and burning was done. BPR Project Engineer Mike Dowd has been replaced, while on annual leave, by Darrel R. Gossens.

BIG HOLE NATIONAL BATTLEFIELD

DESIGN AND CONSTRUCTION NARRATIVE

February 1966

Area is closed for the winter.

John S. McLaughlin
Superintendent

Enclosures

In triplicate

cc:
Regional Director, MWR
Management Assistant
Library

YELLOWSTONE NATIONAL PARK, WYOMING.

Anne Marry, daughter of Assistant Park Naturalist C. Bryan Marry at Undine Ski Area, developed and maintained by the Yellowstone Park Ski Club. The annual Ski Meet, held this year on February 26, is the highlight of the Skiing season.

NPS Photo

Bull elk in the Madison Junction area. From mid-January through the spring melting of snow is the critical time for all wildlife in their search for food and survival efforts.

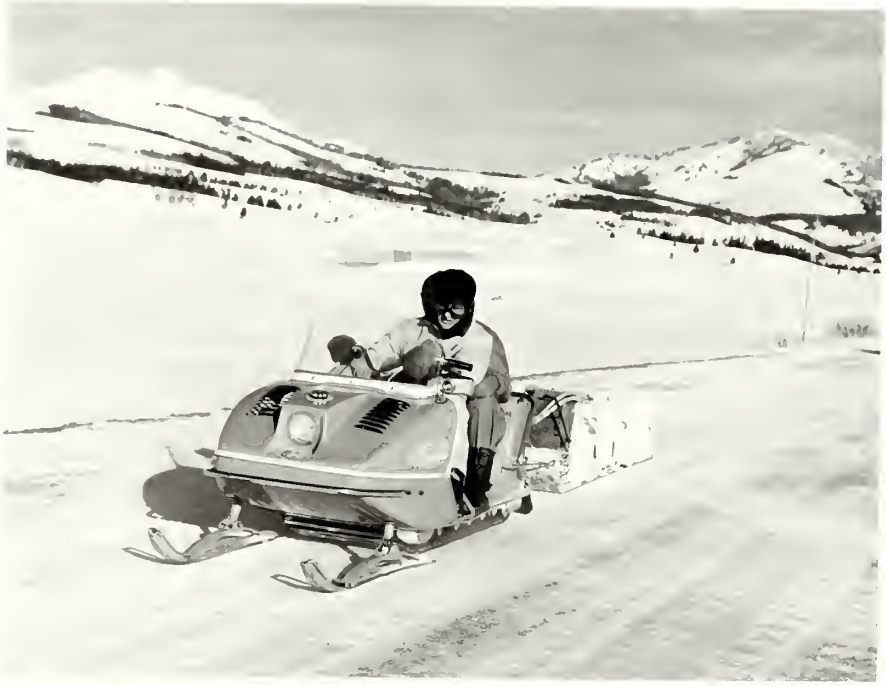
NPS Photo

YELLOWSTONE NATIONAL PARK, WYOMING. February 9, 1966

Mr. and Mrs. Ronald E. Cotten, Cathy and Glenn, at their Farewell Coffee. Mr. Cotten transferred to the Southwest Region, residing at Monticello, Utah.

Position: Supervisory Civil Engineer, Regional Chief of Maintenance.

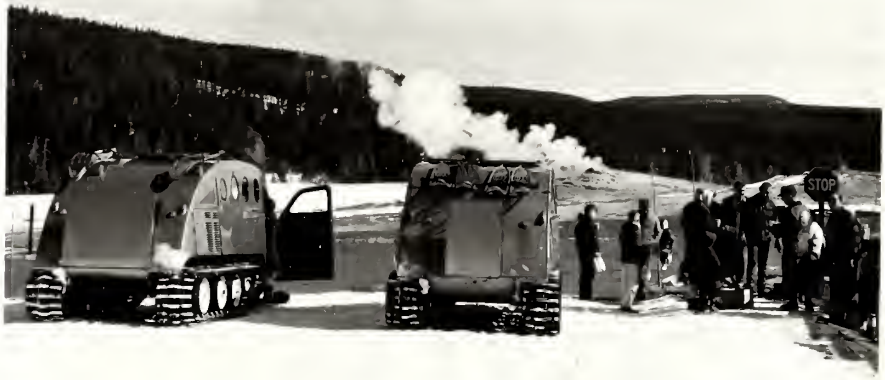
NPS PHOTO



YELLOWSTONE NATIONAL PARK, WYOMING. February 1966

During this season we have experienced a greatly increased interest and use of oversnow vehicles. This vehicle is traveling across Swan Lake Flat, just south of Mammoth.

NPS Photo



From December to mid-March Snowmobiles make regular trips from West Yellowstone to Old Faithful and return. These are two concessioners who provide this service under Special Use Permit. This group is waiting for Old Faithful to erupt.

NPS Photo