

Visitors: 1/1, Elair Poolman, Administrative Assistant, Antec Linn.
1/2, Paul Frits, Landscape Architect, Crater Lake.
1/17, Richard A. Russell, Chief Park Naturalist, Bryce Canyon.
1/27, Lee Todine, Project Engineer, BRL., Denver.
Jack Kruse, Highway Engineer Techn., BRL, Denver.
Robert Richardson, PMA Office, Denver.
Robert B. Bennett, Highway Engineer, PMA, Denver.
A. Trudick, Highway Engineer Techn., BRL, Denver.
Mr. George Gray, Musical Director, Texas Boys Choir,
Fort Worth, Texas.

Miscellaneous: Six members of the Arches staff contributed to the Federal Services Joint Crusade fund drive during the month.

Administration.

Management Analysis: The Director's December 29 memorandum and attached NPS goals for 1965 were discussed at a District staff meeting on the 29th. The Operating Program - Objectives and Goals for Arches for the 3rd and 4th quarters have been submitted.

Chapter 1 of the Arches Master Plan was prepared and submitted by Wanger Mulhern during the month.

Safety and Health: Friday, January 29 was clean-up, pick-up day in compliance with Regional Safety Officer Brownan's November 4 safety memorandum. Considerable clean-up work was accomplished in the utility area and office building.

Tool racks in the storage room of the utility building were rebuilt for better safety, and guards were installed on the table saw and the jointer during the month.

The documented safety program for Arches was revised and submitted for approval.

Conservation, Interpretation and Use.

Interpretive Facilities: The audiovisual equipment is still in the Regional Office being worked on by Mr. Daniel Zigler. Various methods of installing the new screen for the audiovisual slide program have been considered. Some of the library supplies needed for accessioning the Arches Library were received during the month, but none of this project can be accomplished until a Dewey Decimal System book can be obtained. The Southwestern Monuments Association has been asked to order the book for us. Work has begun on separating clippings, reprints and similar material into various categories for filing.

Interpretive Services: During the month, 377 Visitor Center contacts were made, about the same as last year, and 141 visitors signed the Wayside Exhibit register at the Balanced Rock. Approximately 236 visitors took the self-guiding auto tour on the basis of 118 leaflets sold. Two on-site talks were conducted for 49 visitors and one guided tour was conducted for 30 visitors; the Texas Boys Choir.

Research and Observations: A supply of 500 copies of "Plants of Arches National Monument" by Harrison, Welch and Moore, and published by the R.Y.W. Press, have been received through the Southwestern Monuments Association. A list of the vertebrates of the Monument was prepared in conjunction with the preparation of the Arches Master Plan.

Protection: The Monument road was closed to visitor travel on the 1st due to snow and icy conditions.

A small dog appeared in the Monument headquarters area on the 7th. The owner, Mr. Jack Callor of Moab, was finally located and notified on the 11th and came and removed the dog.

The west boundary fence was ridden, water gaps repaired and this portion of the boundary posted. The two water gaps in Courthouse Wash were re-installed following the roundup and removal of stray cattle in the Monument.

On the night of the 29th, a jeep driven by Mr. Dick Carlson of Moab became stuck in Courthouse Wash with 6 persons aboard. The victims were rescued and brought to headquarters and family members notified. On the morning of the 30th Rangers Mulhern and Mabery assisted in getting the jeep out. There were no violations and no legal action was taken.

A monthly inventory of Southwestern Monuments Association sales items has been set up in order to keep a closer check on supplies and losses.

Building Fire Protection: All hose houses and boxes were cleaned and all hoses removed and re-layed.

A survey was made to determine adequacy of coverage with our goal being two hoses available for each building. The area coverage by each hose house was plotted on our fire control plan map.

Wildlife Activities: A pre-bait station was established, using alfalfa hay, to determine if the deer trapping and tagging program would be possible. Thus far the deer have shown no interest.

Maintenance: A timing device for starting and stopping the generator at the Devil's Garden was installed and tested on the 5th.

A burned out compressor for the Visitor Center cooling system has been disconnected and is awaiting repairs.

New shock absorbers were installed on pick-up #80168. A new Dodge pick-up arrived on the 28th replacing the old 1958 pick-up #80213 which has been placed on the survey list. An extra gas tank was obtained and installed on the new dump truck by Harold Shoemaker and Dervil Rose on the 23rd to reduce the need for hauling "extra gas" when on work assignments some distance away from headquarters.

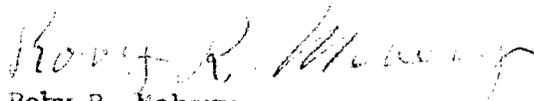
The Fiery Furnace Trail has been opened and made passable to visitor travel.

Much needed sound proofing was installed on the doors between apartments 7-A and 7-B.

Resource Planning.

Cooperation With Local Agencies: Ranger Mabery met with the Parks Committee of the Utah State Roads Commission in Moab on the 7th to assist in surveying the need for roadside exhibits and parks within the Moab area. On the 12th he assisted in the planning of roadside exhibits and developments along State Route 279 between Moab and Potash with Messers Georeg White of the Utah State Road Commission and Ed Provoncha, Chairman of the Moab Chamber of Commerce Parks Committee.

Cooperating Non-Governmental Agencies: The monthly inventory of sales items through the Southwestern Monuments Association has been made. Total cash for items sold during the month amounted to \$92.22.


Roby R. Mabery

Canyonlands National Park
 Blanding, Utah 84532

A 2023

March 5, 1965

Memorandum

To: Chief, Interpretation and Protection
 From: District Park Ranger, Arches
 Subject: Monthly Narrative Report, B-1 (M)-h, February 1965

General.

Weather Conditions: A very local snowstorm hit the area on the 10th, dumping sufficient snow to close the Monument roads for a day. Some 4.5" of snowfall was recorded. Temperatures were about normal. A summary follows:

<u>February</u>	<u>1965</u>	<u>1964</u>	<u>Normals</u>
Maximum Temperatures	63°	58°	63.6°
Minimum Temperatures	9°	9°	18.4°
Mean Temperatures	39.9°	34.6°	40.0°
Precipitation	0.87"	0.07"	0.77"
Snowfall	4.5"	Trace	0.17"
Maximum Depths	3.0"	Trace	0.27"

Decrease in Travel: Visitation was down 14.5% from February 1964. Part of the decrease probably results from the lower multiplier used this year. A survey conducted in January indicated about 2.9 persons per car on weekdays and 3.1 on weekends. Last year's multipliers were 3.0 and 3.5. A summary follows:

<u>February</u>	<u>Visits</u>	<u>Variation</u>	<u>Cumulative</u>	<u>Variation</u>	<u>Campers</u>
1965	2,283		4,401		40
1964	2,800	- 18.1%	4,856	- 11.4%	14

Trail Use:

	<u>1965</u>		<u>1964</u>	
	<u>February</u>	<u>Year</u>	<u>February</u>	<u>Year</u>
Delicate Arch	55	101	48	123
Landscape Arch	55	91	72	94
Double O Arch	14	18	7	15

Visitors: 2/7, Richard Guilmette, Park Ranger, Yellowstone.
Charles Russell, Park Warden, Waterton Lake National
Park, Canada.
2/10, Lemuel A. Garrison, Regional Director, Northwest
Region.
2/24, Robert Todd, Park Ranger, Grand Canyon.

Special Activities: Park Ranger Robert J. Ferris attended the driver
examiner training course at Colorado National Monument on the 17th and
received his certificate as a qualified driver examiner.

Miscellaneous: The Shoemakers, Mabery's and Naturalist Dennis Carter
of the Arches staff joined Canyonlands personnel and families on an
enjoyable two-day trip around the White Rim, Feb. 27 and 28, with an
overnight camp-out on the Rim of Monument Basin.

Administration.

Management Analysis: The Objectives and Goals Operating Program initiated
in January has received considerable attention during the month. Most
projects scheduled for the 3rd quarter and several of those scheduled
for the 4th quarter have been completed.

Personnel: District Ranger Roby R. Mabery completed 20 years of Federal
service on February 11 and received his 20 year Service pin on the 26th.

Park Ranger Thomas D. Mulhern accepted a transfer offer to Saguaro
National Monument on the 18th, which will become effective March 14.

Placement follow-up form 10-152 for Ranger Dennis L. Carter executed
and reviewed on the 12th.

A district staff meeting was held on the 5th with all personnel par-
ticipating.

An outline of personnel training needs was worked up on the 12th.
Personnel training during the month consisted of the following:

2/16 - 17; FBI Law Enforcement, 8 hours, at Capitol Reef, attended
by Dennis L. Carter.

2/17; Driver Examiner Training, 8 hours, at Colorado National
Monument, attended by Robert J. Ferris.

2/26; Photography in Law Enforcement, dark room work, etc., 4 hours,
conducted by Park Ranger Mulhern.

Safety and Health: Mrs. Hettie Rose was admitted to the I. W. Allen
Hospital on the 1st where she underwent surgery for varicose veins
on the 4th. She was released on the 8th.

Two personal injury accidents occurred during the month, one involving
an employee on duty.

A four-hour rescue training session for protection personnel was conducted on the 19th.

Several safety signs and posters were received on the 1st and posted at strategic locations on the 2nd. Four ventabreathers and 3 new First Aid kits were received and placed in protection vehicles.

All Arches vehicles were safety inspected and received the State safety inspection stickers.

Conservation, Interpretation and Use.

Interpretive Facilities: In accordance with a directive from the Director's Office the Arches Visitor Center has been manned on an 8:00 am. to sundown schedule effective February 15.

Interpretive Services: During the month, 680 visitor center contacts were made, an increase of 51.7% over February 1964, and 140 visitors signed the Wayside Exhibit register at Balanced Rock. Auto tour leaflets sold were 118, exactly the same as last month.

Two on-site talks were conducted for 51 visitors and one guided tour was conducted for 31 visitors.

Research and Observations: Naturalist Dennis L. Carter reported that during a hike up a side canyon north of Courthouse Wash on the 18th, water birch was found. This species is not listed in the recent publication on the Plants of Arches National Monument. Water striders were observed in pools and willows were in bloom in this interesting canyon.

Protection: A new Plymouth sedan delivery was received on the 15th for use as a protection vehicle.

A hazardous tree was removed from the Devil's Garden trail on the 3rd.

The Monument road was closed to visitor travel on the 10th and until noon on the 11th due to hazardous conditions caused by snow.

Two man-days plus the use of specialized climbing equipment were involved in eradicating writings left on cliffs in the Monument by vandals.

Building Fire Protection: The ground around hosehouse #6 was bladed to allow water to drain away from it.

Sanitation: Arches sanitation facilities were inspected by Dean Chaussee, Sanitary Engineer, U.S. Public Health Service, Denver and Edwin Clay, Consultant Sanitarian, Utah State Health Dept., Provo, Utah on the 23rd. It was discovered that the headquarters water storage tank is rusting inside. Bids are being sought for reconditioning it.

Wildlife Activities: The pre-bait station established last month was watched and another one established immediately after the big snowfall of the 10th. The deer are not interested. Two species of birds were observed in the monument for the first time - a Sharp-shinned Hawk and a Downy Woodpecker seen in Court-house Wash by Naturalist Carter on the 16th.

Maintenance: The three doors on the southwest side of the Visitor Center and the NPS shield were reconditioned and painted. Sound proofing was installed in the partition doors between the four apartments in building #7. The refrigerator plant for the Visitor Center drinking fountain cooler was re-installed on the 19th.

Snow removal was required on the monument entrance road on the 11th. The Klondike Bluffs road was worked on the 24th.

All hot water tanks were flushed on the 2nd in compliance with instructions from the regional office.

Lumber for completion of the directional sign program has been received. Lumber racks were reconstructed and installed in the carpenter shop.

The damaged lid on the old water storage tank at Headquarters was repaired on the 26th.

Vehicle 80470, damaged in January when it collided with a deer, has been repaired and put back into service. Harold Shoemaker constructed a tow bar for use in towing his pick-up or truck behind the grader or loader to reduce the need of two drivers in moving equipment from one location to another.

Resource Planning

Cooperation with Local Agencies: Old copies of Nature Magazine and Natural History were donated to the Grand County Library.

Cooperating Non-Government Agencies: The monthly inventory of Southwestern Monuments Association sale items showed a total of \$98.61 received during the month. Copies of Plants of Arches were donated to Arches staff members. Two sets of slides (Magic Pacs) were donated to Aztec Ruins National Monument.

Public Affairs

General Publicity: An article on Canyonlands National Park was prepared for the Utah Audubon Society newsletter by Naturalist Dennis L. Carter.

Roby R. Mabery

Cooperating Non-Government Agencies: A total of \$260.67 was received from sales through the Southwestern Monuments Association during the month. The book "Standing Up Country" was added to the Association sales items and 7 copies sold. The Association contributed \$28.45 to the Arches library materials and a bank money order for \$226.00 was turned over to the Association from sales items.

Naturalist Carter has been corresponding with Naturalist Earl Jackson, Southwest Archeological Center regarding accessioning the Arches Library. Arches has been selected as a pilot library for accessioning procedures.

Roby R. Mabery
Roby R. Mabery

Since
I have been mentioned in your report...
...
...
...

Canyonlands National Park
 Arches-Natural Bridges National Monuments
 Moab, Utah 84532

A 2823

February 5, 1965

Memorandum

To: Chief, Interpretation and Protection
 From: District Park Ranger, Arches
 Subject: Monthly Narrative Report, NPS (AM)-4, January 1965

General.

Weather Conditions: A trace of snow was recorded at headquarters and up to 1 1/4 inches at higher elevations of the Monument on the 1st. Though cloudy skies prevailed during the first half of the month a very mild January was experienced with the mean temperatures averaging 6.5 degrees above normal. A summary follows:

<u>January</u>	<u>1965</u>	<u>1964</u>	<u>Normals</u>
Maximum Temperatures	59°	58°	53.7°
Minimum Temperatures	16°	3°	-3.0°
Mean Temperatures	35.3°	30.3°	28.8°
Precipitation	.19"	.09"	.73"
Snowfall	Trace	Trace	1.8"
Maximum Depth	Trace	Trace	1.2"

Increase in Travel: Reversing the downward trend in 1964 the January visitor use showed a 3.0% increase over the same month last year. A summary follows:

<u>January</u>	<u>Visits</u>	<u>Variation</u>	<u>Campers</u>
1965	2,118		7
1964	2,056	+ 3.0%	2

Trail Use:

	<u>January</u> <u>1965</u>	<u>January</u> <u>1964</u>
Delicate Arch	46	75
Landscape Arch	36	22
Double O Arch	4	8

Canyonlands National Park
Moab, Utah 84532

A 2823

April 8, 1965

ACT	INFO	TITLE	INTLS.
1		CHIEF	
2	✓	CHIEF	
3		CHIEF	
4	✓	CHIEF	BC
5	✓	CHIEF	
6	✓	CHIEF	
7		CHIEF	
8			

DATE: _____
REMARKS: _____

Memorandum

To: Chief, Interpretation and Protection

From: District Park Ranger, Arches

Subject: Monthly Narrative Report, NPS (AH)-4, March 1965

General.

Weather Conditions: Abnormal snowfall was recorded but temperatures and precipitation were about normal for the month. A summary follows:

<u>March</u>	<u>1965</u>	<u>1964</u>	<u>Normals</u>
Maximum Temperatures	79°	75°	79.3°
Minimum Temperatures	18°	16°	26.2°
Mean Temperatures	44.5°	39.5°	48.0°
Precipitation	0.80"	00.87"	0.88"
Snowfall	2.0"	0.2"	0.1"
Maximum Depth	2.0"	0.2"	0.0"

Decrease in Travel: The marked decrease from March 1964 is attributed to the unusual increase last year due to 20th Century Fox Studios using the Monument for filming several scenes plus the fact that Easter, normally our heaviest travel day, occurred in March. A travel summary follows:

<u>March</u>	<u>Visits</u>	<u>Variation</u>	<u>Cumu.</u>	<u>Variation</u>	<u>Campers</u>
1965	3,650		8,051		189
1964	6,419	- 43.1%	11,276	- 28.5%	128

Trail Use:

	<u>1965</u>		<u>1964</u>	
	<u>March</u>	<u>Year</u>	<u>March</u>	<u>Year</u>
Delicate Arch	191	292	249	372
Landscape Arch	158	249	224	318
Double O Arch	30	48	85	100

Administration.

Management Analysis: The new Career Development Plan was discussed during a district staff meeting held on the 19th.

Personnel: Park Ranger Thomas H. Mulhern received a promotion and transfer to Supervisory Park Ranger, Saguaro National Monument, Arizona, effective March 14.

Personnel training during the month consisted of classes in the execution of the new accident form BI-134 and the individual fire report form 10-400 on the 19th.

Safety and Health: A rash of the flu hit the area early in the month affecting several employees and their families. Rangers Carter and Mabery each took 4 hours sick leave and Ranger Ferris was off duty 4 days as a result of the flu epidemic.

Conservation, Interpretation and Use.

Interpretive Facilities: On the 12th, Drs. Welch and Moore of BYU delivered two boxes of plant specimens on herbarium sheets; collections from the Arches and Canyonlands areas.

The Arches library was prepared for accessioning and excess books set aside for donation to the Canyonlands library.

Interpretive Services: During the month, 1,151 Visitor Center contacts were made, a decrease of about 30% from March last year; 321 visitors signed the Wayside Exhibit register at Balanced Rock. About 600 visitors took the self-guiding auto tour as estimated from the 187 guide leaflets sold. One guided walk was conducted for 7 visitors.

Research and Observations: Termites were observed swarming at the Visitor Center on the 14th. Naturalist Carter made a visit to the very interesting side canyon off Courthouse Wash (Sec. 5, T 25 S. R. 21 E) on the 17th. Samples of water birch were collected and sent to Dr. Stanley Welch at BYU. Easter Flower (*Primula specuicola*) was seen along the spring line at the head of the canyon and an unidentified primrose was in bloom.

Three species of birds were added to the Monument list during the month. Three green-winged teal were observed on a pool in Freshwater Canyon on the 29th. Also seen was a leopard frog.

Protection: A warning was issued to two visitors for making rock collections in the Monument on the 6th.

Stockman John Ross was notified that some of his stock were trespassing on the Monument on the 9th. They were removed on the 10th.

An emergency message was delivered to a party at the Devil's Garden on the 10th.

~~A new sedan delivery for ranger use was received on the 11th.~~

A late patrol was made into the Monument area on the 20th. On the same evening two girls in a Volkswagen Convertible were reported missing. They were found at about 9:15 pm. viewing the lights of Moab from the Monument road near the Pinguins.

The boundary fence on the gas line was found to have been damaged by jeepsters traveling the gas line illegally. The fence was repaired and put back up on the 26th.

Forest Fire Protection: A campfire permit was issued to a family of 5 who preferred to camp in the back-country.

Insects and Tree Diseases: The insect plot near the Klondike Bluffs road turnoff was surveyed and new damages recorded. New attacks and damages were negligible.

Building Fire Protection: One spray nozzle and 6 lengths of 1 $\frac{1}{2}$ " hose were received during the month. A second dry-powder fire extinguisher was placed in the trailer house occupied by the Beyers.

Sanitation: A new garbage pit was dug and the old one covered in the Devils Garden area. A new system of garbage disposal is being ~~experimented~~ experimented with in the Headquarters area. The burning barrels have been replaced with garbage cans in an effort to cut costs of hauling burned materials to the city dump. Wastes from these cans will be hauled to the Devils Garden and burned during routine trips.

Three toilets in the Visitor Center became plugged on the 22nd, requiring attention.

Maintenance: The entire water system at the Devils Garden has been turned on. Considerable clean-up work in the campground has been accomplished in preparation for opening. Only the first 20 sites in the campground are open for camper use at the present time.

A transformer in the first comfort station at the campground burned out on the 10th and that building is without lights.

Resource Planning.

Cooperation With Other Agencies: Naturalist Carter met with District Manager Robert Anderson, BLM, on the 9th to assist with the planning for a new museum to be set up at Monticello.

Canyonlands National Park
Moab, Utah 84532

A 2823

May 4, 1965

Memorandum

To: Chief, Interpretation and Protection
 From: District Park Ranger, Arches
 Subject: Monthly Narrative Report, HIG (AD)-h, April 1965

General.

Weather Conditions: Light snows fell over the area on the 5th. Temperatures were about normal but precipitation was the greatest recorded in several years, 136.6% above normal. Most of it came in the form of sod soakers rather than gully washers. A summary follows:

<u>April</u>	<u>1965</u>	<u>1961</u>	<u>Normals</u>
Maximum Temperatures	89°	81°	87.0°
Minimum Temperatures	33°	33°	39.5°
Mean Temperatures	56.1°	54.9°	55.6°
Precipitation	1.78"	0.99"	0.75"

Increase in Travel: Visitation was somewhat slow during the first part of the month but took an upward surge the day before Easter. Travel for the month was 74.5% ahead of that recorded last April but was somewhat behind 1961, 1962 and 1963. A 5-year summary follows:

<u>April</u>	<u>Visits</u>	<u>Variation</u>	<u>Curu.</u>	<u>Variation</u>	<u>April Campers</u>
1965	9,484		17,535		1,108
1964	5,436	+ 74.5%	16,712	+ 4.9%	295
1963	9,664	- 1.9%	16,771	+ 4.5%	641
1962	11,313	- 16.2%	19,866	- 11.7%	587
1961	10,108	- 6.2%	18,877	- 6.0%	86

<u>Trail Use:</u>	<u>1965</u>		<u>1964</u>	
	<u>April</u>	<u>Year</u>	<u>April</u>	<u>Year</u>
Delicate Arch	796	1,088	295	928
Landscape Arch	530	829	114	580
Double O Arch	100	148	61	173

Visitors: 4/3, Tom Giles, Regional Finance Officer, SW Region
4/5, Neal Grunigan, Engineer, WODC
4/7, Ralph Plotter, Conservation Officer, Utah State Fish
and Game, Green River, Utah.
Dan Winbourn, Conservation Officer, Utah State Fish
and Game, Moab.
James Bates, Regional Game Manager, Utah State Fish
and Game, Helper, Utah.
4/12, Dunbar Susoug, Subdistrict Ranger, Grand Tetons.
Mr. and Mrs. Herman Ramer, Utility Officer, GSA, Denver.
4/29, Frank Childs, Midwest Regional Office, NPS.
4/30, Alice Higgins, Writer for Sports Illustrated Magazine.

Administration.

Personnel: Lloyd Vang, Carpenter, EOD 4/19
Dwayne Couraud, Caretaker, EOD 4/19

*Performance
Rating: Excellent*

Safety and Health: Ranger Ferris conducted a safety meeting at Natural
Bridges on the 14th.

Five driver tests were conducted during the month.

There were 3 personal injury accidents at Arches during the month.
One employee accident on the 20th resulted in 4 hours lost time and
halted our record at 444 days or 3,680 man days without a lost time
injury.

Several minor first aid cases were treated.

Conservation, Interpretation and Use.

Interpretive Facilities: Accessioning of the Arches Library was com-
pleted with 294 items being accessioned. Several books were transferred
to the Canyonlands Library.

The audiovisual slide program has been out of use for the 10th succes-
sive month and many complaints have been received due to the lack of
it. Some of the necessary equipment is still being held in the Regional
Office.

Interpretive Services: During the month 3,069 Visitor Center contacts
were made, an increase of 57% over last April, and 911 visitors signed
the Wayside Exhibit register at Balanced Rock compared to 492 last
April. Approximately 1,782 visitors made use of the self-guiding auto
tour.

One off-site talk was conducted for 52 people at the Operation Tourism meeting in Moab. One on-site talk was given for 12 visitors, and 3 conducted walks were taken for 73 visitors. The number of weekend visitors warranted more conducted walks and other interpretive services but the number of personnel available prohibited this service.

Research and Observations: Eleven species of birds were added to the Monument list during the month. It was noted that arrival dates of some summer resident species were earlier than those listed in Dr. Behle's Birds of Southeastern Utah. Research work on the birds of the Monument is being carried on by Ranger Carter on contributed time.

The unidentified turtle observed in a pool in Freshwater Canyon was observed again on the 14th.

A variety of wildflowers were in bloom by the end of the month. The new publication - Plants of Arches National Monument - by Harrison, Welch and Moore, has proven quite valuable in identifying these plants.

Protection: A Joe Scartazina, age 17, of Price, Utah was apprehended for firing a 22 rifle in the Monument on Easter Sunday. His rifle was confiscated and he was brought before the Superintendent for further action.

Vandals damaged pit toilets at the Devils Garden and the Windows on the 5th, and snapped a hook causing one side of the swinging bridge across Salt Wash to drop down on the 16th. Damage to the bridge cost \$36.90 to repair.

Forest Fire Protection: One campfire permit was issued to a party of 7 who wished to camp in the back-country, on the 2nd.

Building Fire Protection: A new hose drying rack has been installed on the back side of the utility building for use in drying fire hose.

Wildlife Activities: All four of the deer pellet group transects were surveyed by Ranger Ferris during the month. A graph showing the results to date has been submitted.

Sanitation: Bids for reconditioning the water supply reservoir tank were opened on the 13th. The contract was awarded to Wiscombe of Salt Lake City but to date no work has been done.

Maintenance: New window and door screens were constructed and installed on quarters # 8.

Campsite numbering at the Devils Garden was continued. All numbers excepting three have been installed. The 3 remaining ones will have to be set in rock which will involve drilling and shooting.

The crossing at Salt Wash was put back in on the 12th after having been washed out.

Four charcoal burners were installed at the dry picnic area west of Balanced Rock.

Monument road shoulders were dressed, small gullies filled and several down-spout drainages installed to protect the shoulders during run-offs.

Some 18 yards of sand and gravel rejects were hauled and placed on hills on the Delicate Arch road to improve conditions during wet weather. It is hoped that this work may prevent some road closures.

Complaints: In addition to the many complaints regarding the lack of an audiovisual program, several have been received concerning inadequate signing of the Double O Arch trail, a condition that has been almost impossible to correct due to shortage of personnel.

Resource Planning.

Cooperation with Other Agencies: A list of all bird records obtained at Arches and near-by areas was sent to Dr. William Behle at the University of Utah, who is working on a publication on the birds of Utah.

Cooperating Non-Government Agencies: New Southwestern Monuments Association items to be put on sale during the month includes 7 new post cards/ and the following books: Mammals of the Southwest Desert, by Olin, Exploring the Colorado River, by Powell and The National Parks by Tilden. Total cash received from sales items during the month amounted to \$485.67.

Roby R. Mabery

Roby R. Mabery

Canyonlands National Park
Moab, Utah 84532

A 2823

June 7, 1965

Memorandum

To: Chief, Interpretation and Protection
From: District Park Ranger, Arches
Subject: Monthly Narrative Report, NPS (AM)-4, May 1965

General.

Weather Conditions: Temperatures for the month were slightly below normal while precipitation was considerable high. A summary follows:

<u>May</u>	<u>1965</u>	<u>1964</u>	<u>Normals</u>
Maximum Temperatures	90°	96°	93.5°
Minimum Temperatures	36°	39°	37.5°
Mean Temperatures	63.5°	62.4°	64.3°
Precipitation	1.93"	0.78"	0.72"

Increase in Travel: Recorded visitor use shows a 53.8% increase over last May. Campground use 70.6% for the month, bringing the annual use increase to 28.6% as 4,177 camper days were recorded against 2,103 to date last year. A travel summary follows:

<u>May</u>	<u>Visits</u>	<u>Variation</u>	<u>Year</u>	<u>Variation</u>	<u>May Campers</u>
1965	17,128		34,663		2,833
1964	11,140	+ 53.8%	27,852	+ 24.4%	1,162

<u>Trail Use</u>	<u>1965</u>		<u>1964</u>	
	<u>June</u>	<u>Year</u>	<u>June</u>	<u>Year</u>
Delicate Arch	1,010	2,098	245	912
Landscape Arch	1,217	2,046	995	1,424
Double O Arch	455	603	429	590

Visitors: 5/4, John J. Palmer, Asst. Chief Park Naturalist, Glacier
5/6, Carl E. Hayden, Writer-Photographer, Salt Lake Tribune
5/19, Jerry Wood, Adm. Assistant, Aztec Ruin
5/20, Richard H. Brown, Chief Park Naturalist, Crater Lake
5/26, Kelly Mothersbaugh, Yellowstone
5/27, Roger Brask, Park Ranger, Glen Canyon
5/28, Vick Lewis, Lake Mead

Special Activities: The entrance road project final inspection was made by BPR Area Engineer Arthur Johnson, Salt Lake and BPR Project Supervisor Evan Callister on the 4th.

BPR Engineer Evan Callister and District Ranger Mabery made the final inspection of the Arches Residence Road project on the 3rd.

Administration.

Personnel: Ted Tibbetts, Seasonal Park Ranger, ISS-5, EOD May 8.

Safety and Health: Two driver examinations were conducted by Ranger Ferris and three Federal drivers licenses were issued. (1 was a renewal)

One lost time, employee accident occurred when Maintenance man Bervil Rose suffered a slipped disc while on duty on the 3rd. He entered the T. W. Allen Hospital on the 20th and was released on the 27th. Special reports have been submitted.

All fire hose houses in the area were sprayed for control of Black Widow spiders on the 27th.

Eighteen members of the Arches-Canyonlands staff (including several wives) took part in the National T.V. Driver Test at the Helen H. Knight auditorium on the 18th. All tests were above the national average.

A copy of the driver safety booklet, "A Tragedy of Errors" by the Travelers Insurance Co. of Hartford, Conn. was distributed ~~1/1~~ to each family.

Another gas leak was found and repaired in apartment #7-A, on the 21st.

A camper's tent and some \$200.00 worth of equipment was accidentally burned in the Devil's Garden Campground on the 21st. Report forms DI-34 and DI-210 have been submitted.

During a safety meeting last year it was agreed that two rangers should be assigned to the Fiery Furnace tours at any time there were more than 20 visitors on the tour. On May 9, due to lack of available personnel, Ranger Mabery guided a group of 109 visitors through the Furnace alone, and on the 30th Ranger Tibbetts conducted a tour of 48 visitors. Our new schedules, effective June 13, calls for 2 rangers to report to each tour. The 2nd ranger will make a routine patrol if not needed on the tour.

Conservation, Interpretation and Use.

Interpretive Facilities: The Devil's Garden Campfire Circle was completed and used for the first time on the 14th. The campfire circle is proving quite satisfactory although visitors are having some difficulty in finding it at present. A directional sign is under construction.

The audiovisual slide program is still out of service.

Three new books, The Sign of the Flying Geese by Laycock, Five Hundred Utah Place Names by Leigh, and Utah, The Incredible Land by Roylance, were accessioned to the Arches Library during the month.

Interpretive Services: During the month 6,704 Visitor Center contacts were made, an increase of 19% over last May, and 1,535 visitors signed the Wayside Exhibit Register at Balanced Rock, compared to 1,189 last May. Approximately 3,488 visitors took the self-guiding auto tour.

A total of 8 on-site talks were conducted for 392 visitors, including 6 campfire talks for 332 campers. One off-site talk was presented to 29 people at a Chamber of Commerce slide show in Moab.

Fifteen guided tours were conducted during the month for 445 visitors. This included 9 Fiery Furnace walks for 331 visitors or an average of 36.7 visitors per walk.

Research and Observations: A record number of species of birds (16) were added to the Arches bird list during the month. New additions include the Snowy Egret, Cassin's Kingbird, Traill's Flycatcher, Western Flycatcher, Bank Swallow, Mockingbird, Water Pipit, Solitary Vireo, Yellowthroat, Yellow-breasted Chat, Scott's Oriole, Bullock's Oriole, Brown-headed Cowbird, Rose-breasted Grosbeak and Swamp Sparrow. According to Dr. Behle the bank swallow observed by Ranger Carter in Courthouse Wash on the 26th and the swamp sparrow observed in Winter Camp Canyon on the 19th are the first of these species to be recorded in Southeastern Utah. On the 26th a male Rose-breasted grosbeak hit the window of Ranger Ferris' quarters, #11, and was killed. This is the first record of this eastern species in Southeastern Utah and the 2nd specimen recorded in the state.

The wildflower displays during the month were quite spectacular in regard to number of species and individual plants. Only the desert mallow is less abundant than normal.

The insect collection was labelled by Ranger Tibbetts during the month.

A partial albino deer, white and brown, was observed by Ranger Tibbetts near Monument headquarters on the night of the 13th.

Protection: Nightly road patrols until 9:00 pm with patrols until 10:00 pm on Fridays and Saturdays were begun on May 9.

Ranger Mabery was called out at 7:40 pm. on the 2nd to assist two elderly ladies who were observed having difficulties on the Delicate Arch Trail. They had made their way back to their car by the time I had reached the parking area at Turnbow Cabin.

The Delicate Arch road was closed due to hazardous driving conditions caused by rains on the 14th and 23rd. Quicksand in Salt Wash forced the closure of the Delicate Arch View Points road from the 23rd to the end of the month.

A family was warned for picking wildflowers inside the Monument along U. S. 160 on the 30th.

Insects and Tree Diseases: Twenty-two cottonwood trees in the headquarters area were treated for tent caterpillars on the 6th.

An allotment of \$200.00 for maintenance control of pine engraver beetles (*Ips lecontei*) in the Devil's Garden control unit was received from Region. The forest pest control operating program has been submitted.

Wildlife Activities: The monthly wildlife patrol, which in conjunction with the poller group transects helps keep abreast with population trends, was made on the 28th.

Sanitation: The 50,000 gallon water storage tank for the headquarters area has been drained and made ready for reconditioning in accordance with instructions from the U. S. Dept. of Health following a sanitary inspection last February 23. The contractor is expected to begin work on the tank soon after June 1. The water supply was switched over to the old supply tank on the 24th. Water samples were submitted to the State Dept. of Health and a satisfactory report received.

The # 1 comfort station at the Devil's Garden campground was closed on the 30th due to sewage backing up into the toilets when the drain field would not carry the load.

The old "beat-up" double pit toilet at the Devil's Garden trailhead was replaced by two new ones on the 23rd. Two pit toilets were erected at the Fiery Furnace parking area on the 20th.

Maintenance: The 1950 Dodge pick-up and the 1960 Chev. sedan-delivery were sold and a new Chevy carryall was received during the month.

A storage deck was constructed in the equipment storage end of the utility building for the storage of furniture and other items.

The outside walls of the small, extra bedroom at quarters # 3 received two coats of stucco during the month and new screens were constructed and erected on the doors and windows.

The drainboard in quarters # 3 was recovered with formica.

The roof and outside, front wall of quarters # 5 were repaired.

The projection booth in the A. V. room at the Visitor Center has been remodeled.

Resource Planning.

Cooperating Non-Government Agencies: Southwestern Monuments Association items sold during the month amounted to \$792.22. A bank money order for \$412.00 was sent to the Association on the 14th. During the first five months of the year, \$1,729.39 has been taken in at Arches from SWMA sales items.

DESIGN AND CONSTRUCTION

New Construction:

Project 1 (1), Bituminous Surfacing, Arches Entrance Road: Bids for this project were opened in the Regional Office on September 1, 1964 and the contract awarded to Corn Construction Co., of Grand Junction, Colorado, the low bidder. Due to inclement weather a stop order was issued on November 29 with the project complete excepting for seal coating and chipping the parking areas. A BPR inspection in April suggested that the seal coating phase was not needed. The contractor resumed construction on April 22, 1965. Final inspection was made on May 4, 1965 with BPR Area Engineer Arthur Johnson, BPR Project Supervisor Evan Callister, Corn Construction Representative Howard Motz and District Ranger Mabery participating.

Project SWR 33-22, Residential Roads: This project was completed excepting for seal coating and chipping when a stop order was issued on November 29, 1964 due to bad weather. Corn Construction Co., of Grand Junction, Colorado moved in on April 22 1965 and completed the project in conjunction with project 1 (1). Final inspection was made on May 3, 1965 by District Ranger Mabery and Construction Superintendent Howard Motz with technical assistance by BPR Engineer Evan Callister and the project recommended for acceptance.

Project S&R 33-60, Recondition Interior of 4,000 Gallon Water Storage Reservoir: bids were opened on this project in the Superintendent's Office ~~AA~~ at 3:05 pm. on April 13, 1965 and the contract awarded to Miscombe Painting Company, Salt Lake City, the low bidder at \$1,429.00. The tank was drained and made ready on May 24, 1965 and the contractor is expected to begin work about June 1.

Koby J. Mabery

Canyonlands National Park
Moab, Utah 84532

A 2323

July 5, 1965

Memorandum

To: Chief, Interpretation and Protection

From: District Park Ranger, Arches

Subject: Monthly Narrative Report, NPS (AM)-4, June 1965

General.

Weather Conditions: June was abnormally cool with temperatures averaging 2.4 degrees below normal. While precipitation was near normal it again came in the form of drizzles with little or no run-off. A weather summary follows:

<u>June</u>	<u>1965</u>	<u>1964</u>	<u>Normals</u>
Maximum temperatures	96°	99°	103.4°
Minimum Temperatures	48°	46°	47.4°
Mean Temperatures	69.1°	70.1°	72.5°
Precipitation	0.47"	0.53"	0.43"

Increase in Travel: There was a 36.8% increase in visitor travel and a 155.4% increase in camper use over June 1964. Much of the increase in campground use can be attributed to better camping facilities as the new campground was not opened until late June last year. A travel summary follows:

<u>June</u>	<u>Visits</u>	<u>Variation</u>	<u>Year</u>	<u>Variation</u>	<u>June Campers</u>
1965	24,992		59,655		5,863
1964	18,276	+ 36.8%	50,449	+ 18.2%	2,295

<u>Trail Use</u>	<u>1965</u>		<u>1964</u>	
	<u>June</u>	<u>Year</u>	<u>June</u>	<u>Year</u>
Delicate Arch	2,131	4,229	1,010	2,098
Landscape Arch	2,264	4,310	1,217	2,046
Double O Arch	589	1,192	455	603

Visitors: 6/3, Jack H. Clark, District Ranger, Hovenweep.
6/6, Howard Chapman, Horace H. Albright Training Center.
6/7, Harold Marsh, Landscape Architect, SI Regional Office.
Hemel Gonzalez, Procurement Assistant, " "
6/9, Edward F. Paine, Naturalist, Crater Lake
6/13, Jerome C. Miller, Asst. to Regional Director, SI Region.
Alfred C. Buehl, Branch of Designs, W&O.
Stephen Matteson, Naturalist, Lassen Volcanic.
Frank Pontford, Supv. Ranger, Capitol Reef.
6/14, Field Biology trip. College of Idaho, 27 people.
6/20, William T. Davoren, Regional Coordinator, US Dept. of
the Interior, Salt Lake City.
6/21, Dr. William H. Sebbo, University of Utah.
6/24, Dr. Edwin Willis, American Museum of Natural History.
6/25, Kevin McKibbin, Ranger, Timpanogos Cave.
6/30, Sierra Club Field Trip, 20 people.
B. L. Flanagan, Bureau of Sport Fisheries and Wildlife,
Washington, D. C.

Special Activities: Final inspection of project SWR 33-60, Reconditioning
Water Storage Tank at Arches was made by Ranger Mabery on the 13th.

The drain fields at the Devil's Garden Campgrounds were inspected by
Resident Engineer John C. Calland with Supt. Wilson and District Ranger
Mabery on the 29th.

Miscellaneous: A potluck dinner was held on the patio of the Arches
Visitor Center on the 22nd for all employee families.

Administration.

Personnel: Donald S. Follows, Park Ranger, 103-5, entered on duty
June 6 from the Horace H. Albright Intake Training Courses

Seasonal personnel entered on duty as follows:

Melvin L. Olsen, Caretaker, June 1
Russell O. Donoghue, Park Ranger, 103-5, June 6.
Carl E. Wadsworth, Park Ranger (Naturalist), 103-5, June 7.
George A. Stephens, Park Ranger, 103-4, June 10.
Marvin E. Eshom, Caretaker, June 10.
Edward P. Abbey, Park Ranger, 103-4, June 17.

Safety and Health: One minor, first aid accident occurred when a
camper sprained his ankle on the 21st.

Twenty-one driver tests were conducted and 22 licenses (one renewal)
were issued during the month.

The rock stops along the Fiery Furnace trail were swept free of blow-sand periodically for visitor safety.

A standard first-aid course for personnel who do not hold valid cards was started on the 28th by Donnell Schlup of Atlas Minerals.

Conservation, Interpretation and Use.

Interpretive Facilities: A "Campfire Circle" directional sign was constructed and erected to enable campers to find the new campfire circle at the Devill's Garden campground. An underground, electric cable has been laid to the area, a screen and projection stand constructed and erected making it possible to present illustrated talks. Ranger Donald S. Follows presented the first illustrated talk to an over-capacity crowd of 150 visitors on the 24th.

The audiovisual slide program was put back into service on the 14th. Dan Zigler of the Regional Office was here working over the audiovisual equipment on the 21st and 22nd.

The Arches slide file arranged according to subject and stamped for identification purposes.

Five new publications pertaining to the local area were accessioned to the Arches library during the month.

Interpretive Services: An expanded interpretive program was made possible by the presence of 4 seasonal rangers throughout most of the month. This is reflected in the added number of conducted walks and talks presented. Conducted walks included 13 Fiery Furnace hikes for 340 visitors and 8 other tours, Girl Scouts, bus tours, etc., for 626 persons. 23 campfire talks were conducted for a total attendance of 1,622 visitors. One other talk was conducted for 47 visitors and 3 off-site talks, C of C., were presented for 142 people making a total of 27 conducted talks for an attendance of 1,811 people. This compares with 6 talks for 175 people and 2 guided ~~walks~~ walks for 26 visitors during June 1964.

A total of 11,987 Visitor Center contacts were made - a 14.5% increase over last June - and 2,460 visitors signed the Wayside Exhibit register at Balanced Rock, a decrease of 0.2% from last June. Approximately 6,618 visitors took the self-guiding auto tour. The audiovisual slide program was presented 85 times for 1,176 visitors, a decrease of 45.8% from last June.

Research and Observations: Added to the Monument bird list during the month were the Cooper's Hawk, Western Wood Pewee, and Lesser Goldfinch. A most unusual observation was that of a Scott's Oriole nest with young at Klondike Bluffs observed by Ranger Follows on the 29th. This is one of the very few nesting records of this species for Utah. Mourning doves were quite abundant in the Monument throughout the month.

Protection: A suitcase, lost by a Mr. Lund of Paonia, Colo. was found and returned to him by mail on the 3rd.

A disturbance in the campground was reported during the night of the 25th. Investigations have resulted in the identification and location of one of the three boys involved, who is out of town at present. We are still trying to locate the other two.

Regularly scheduled trail patrols were begun with the arrival of adequate protection personnel on the 20th, for the protection of trail hikers and Monument features.

The Salt Wash crossing was closed early in the month due to unusually high volumes of water making the crossing hazardous for passenger vehicles. It was re-opened and repaired on the 28th.

Patrolling ranger personnel assisted several motorists in need of help resulting in being stuck in the sand, motor trouble, etc.

Insects and Tree Diseases: Ten pinyon pine trees were felled and treated for pine engraver beetle infestations in the Devil's Garden area during the month.

Sanitation: The interior of the 50,000 water storage tank at headquarters has been reconditioned and disinfected in accordance with instructions received from the U. S. Dept. of Health following a sanitary inspection last February. The tank was refilled on the 17th and a water sample sent to the State Health Dept. immediately. The result came back marked "satisfactory".

A serious health hazard was noted at all three comfort stations at the Devil's Garden campground when raw sewage was overflowing to the ground surface. The original sewer drainage fields are inadequate to take care of the heavy uses. Septic tanks for the number 2 and 3 stations were pumped on the 29th and these drain fields extended. No. 1 station has been closed throughout most of the month due to these conditions. An extended drainage field for this station is now in the planning stage.

Wildlife: The regular monthly deer patrol made by Ranger Ferris on the 28th resulted once again in a zero tally. While this probably does not justify drawing conclusions at this time it may be significant that the decrease in observed deer coincides with the drop in the deer day-use-per-acre observed on the pellet group transects.

Maintenance: The number 2 compressor for the visitor center cooling system, which had been leaking gas, was repaired and put back into service on the 24th. The number 3 compressor has been sent to Salt Lake to be rebuilt.

The barbed wire gate west of Balanced Rock was rebuilt on the 19th after having been torn from the anchor posts by vandals.

Work has continued on the clean-up of unsightly materials in the vicinity of the utility area. All the scrap materials just outside the compound gate has been removed. The Man Gas Service valves and fence were painted to blend with the soils. Several loads of scrap materials were hauled from the road junction just west of the utility area and stored in a designated area behind the utility building. Some clean-up work has been accomplished across the parking area in front of the Visitor Center.

The Broken Arch Trail has been worked and made passable for visitor use. On June 10 it received final preparations prior to its first ~~hike~~ conducted walk scheduled the following day. Trail markers were erected and foot holds chipped into the sandstone in places to assure safe footing.

Resource Planning.

Cooperation with Other Federal, State and Local Agencies: Rangers Mabery and Abbey and Caretaker Melvin L. Olson assisted the State Highway Patrol and local Sheriff's Posse in the removal of the bodies and luggage of two Indians that plunged to their deaths into the big railroad cut along US 5. Highway 160 near the Deadhorse Point Road junction on the 21st.

Ranger Ferris participated in Range Survey training session conducted by the Bureau of Land Management on June 15 to 18.

Cooperating Non-Government Agencies: A total of \$1,644.80 were remitted to the Southwest Monuments Association from items sold during the month. The semi-annual inventory for the period Jan. 1 to June 15 indicated that \$2,587.03 were received from SWMA sales items during this period, an increase of about \$900.00 over the same period last year. SWMA donations to the area during June totaled \$47.11, most of which consisted of films and film railers used $\frac{1}{2}$ in building up the Arches slide collection.

DESIGN AND CONSTRUCTION

New Construction:

Gallon

Project SWR 33-60, Recondition Interior of 50,000 Water Storage Tank: Bids were opened on this project in the Superintendent's office at 3:05 pm. on April 13, 1965 and the contract awarded to Wiscombe Painting Company, Salt Lake City, the low bidder at \$1,429.00. Sandblasting of the interior began on June 3 and the last coat of paint was applied during the night of June 12. Final inspection was made by Ranger Mabery on June 13 and the project accepted as complete.

Roby R. Mabery

Canyonlands National Park
 Moab, Utah 84532

A 2823

August 4, 1965

Memorandum

To: Chief, Interpretation and Resources Management

From: District Park Ranger, Arches

Subject: Monthly Narrative Report, NPS (AR)-4, July 1965

General.

Weather Conditions: Temperatures were about average but precipitation was much greater than normal. Flash floods on the 9th, 21st and 24th caused considerable damage to trails and road shoulders. A weather summary follows:

<u>July</u>	<u>1965</u>	<u>1964</u>	<u>Normals</u>
Maximum Temperatures	102°	105°	104.7°
Minimum Temperatures	54°	52°	53.7°
Mean Temperatures	82.2°	83.6°	78.8°
Precipitation	2.25"	0.66"	0.75"

Increase in Travel: There was a 58.2% increase in visitor travel, a 76.8% increase in camper use and a 124.7% increase in trail use over July 1964. The month set a new travel record as 25,379 visits were recorded against the previous record of 19,956 visits during August 1963. (After-thought, 24,992 recorded in June 1965)

During the last week in the month a survey was made to determine the visitor hours of use in preparation for the new visitor use reporting system soon to be put into effect by the BOR. A travel summary follows:

<u>July</u>	<u>Visits</u>	<u>Variation</u>	<u>Year</u>	<u>Variation</u>	<u>July Campers</u>
1965	25,379		85,034		4,095
1964	16,040	+ 58.2%	62,168	+ 36.8%	2,316

	<u>1965</u>		<u>1964</u>	
	<u>July</u>	<u>Year</u>	<u>July</u>	<u>Year</u>
Delicate Arch	1,220	5,449	387	1,383
Landscape Arch	1,410	5,720	715	3,355
Double O Arch	360	1,550	228	1,121

Visitors: 7/3, Dr. E. H. Colbert, American Museum of Natural History, NYC
 Dr. A. W. Crampton, Director, Peabody Museum, Yale U.
 Prof. George Haas, Hebrew University, Jerusalem, Israel
 Mario Barberena, University of Rio Grande du Sul,
 Porto Allegro, Brazil.

7/5, R. H. Begean, Asst. Chief Ranger, Organ Pipe Cactus.
 7/11, Chris Cameron, Park Ranger, Glen Canyon.
 7/13, Dava Newcomer, photographer, Arizona Republic, Phoenix.
 7/17, Blanche and Floyd Henderson, Tonto National Monument.
 7/18, H. Robert Case, Harper and Row Publishing Co.,
 Wellesley Hills, Mass.

7/25, Elaine Hounsell, Horace M. Albright Training Center
 Jerry DeSanto, " " " " " "

Special Activities: On the 2nd Civil Engineer, Utilities, Ralph Stratton and Supv. Highway Engineer Samett B. Martin of WODC and U. S. Public Health Sanitation Director Curtis E. Ritchie, San Francisco, inspected the comfort ~~and~~ station drain fields and other sanitation facilities at the Devil's Garden campground area with Superintendent Wilson and District Ranger Mabery.

Administration.

Personnel: Ranger Mabery was on extended annual leave July 19-30 incl.

Seasonal Park Ranger George A. Stephens was promoted to DS-5 effective July 18.

Safety and Health: There were no accidents occurring during the month.

As a safety measure the outside lights on the kiosk have been turned on nightly at sundown.

Safety Officer Ferris conducted a special safety meeting for seasonal personnel on the 9th.

A new Stokes Basket was added to the Arches rescue cache and warning devices and a P.A. system were installed on the ambulance on the 23rd.

On the 29th, 3 boys who had become stranded on a ledge in the Devil's Garden area were rescued by Seasonal Ranger Ted Tibbetts.

Conservation, Interpretation and Use.

Interpretive Facilities: A set of 50 natural history slides were purchased from Mr. J. W. Thompson, Seattle, Washington and added to the Arches files for interpretive use.

The audiovisual program was inoperative during 6 days at the end of the month due to slides and tape being out of synchronization.

Four new books accessioned to the Arches library included: A Field Guide 78 Rocky Mountain Flowers by Craighead and Davis, Southwestern Archaeology by Kidder, Western Game Hunters Atlas by Johnson and Cacti of the Southwest by Carlo. All were donated by the Southwestern Monuments Association.

Work has been initiated on accessioning and cataloging the mammal and bird study collection.

A glass fronted bulletin board has been erected at the entrance to the campfire circle and posted with announcements of the interpretive activities.

The visitor center was kept open and manned on an 8 am. to 7 pm. schedule throughout the month although few visits were recorded during the 6-7 pm. ~~PM~~ period.

Interpretive Services: During the month, 12,419 visitor center contacts were made, an increase of 21.2% over July 1964, 1,356 visitors attended the 102 audiovisual programs presented and 1,609 visitors attended the 26 campfire talks conducted. One off-site talk was conducted for 66 persons at a Chamber of Commerce slide show in Moab, and 2,511 visitors signed the Wayside exhibit register at Balanced Rock.

Guide services increased 65% over last July as 32 guided tours were conducted with a total attendance of 492 visitors.

Research and Observations: Two species of birds were added to the Monument list during the month - Western Kingbird at Turnbow Cabin and the Gray Vireo in Freshwater Canyon on the 13th. The Gray Vireo was also observed along the Broken Arch trail later in the month. A Hoary Bat was captured at the visitor center by Ranger Fiddetts on the 25th. This is believed to be the first record of this bat in Southeastern Utah. An adult Bald Eagle was observed over the Upper Fiery Furnace by Ranger Mabery on the 9th.

Protection: The fee collection system was put into effect on the 15th. It has been noted that 80% of permit sales have been made at the visitor center even though a ranger has been assigned to this specific duty in the campground.

As the result of a disturbance in the campground on June 25 a Mrs. Dale Oviatt, 60 No. 1st West, Moab, with her son Max, 15, and Jim Cowan, 15, of Moab, were contacted by Ranger Ferris and brought to the District Office on the 16th. The District Ranger read the regulations pertaining to disturbances and explained the policies and thinking behind these regulations. All were impressed with the seriousness of the situation and promised to do a good deed for conservation in payment for damages caused. Mrs. Oviatt was not involved in the disturbance.

Campground regulations and other information pertaining to protection are being posted on the new bulletin board in the Devil's Garden campground.

The road across Salt Wash was closed on a number of occasions due to hazardous conditions, quick sand.

off-the-beaten-track patrols were made to Pin Canyon, Wintercamp Wash and along the boundary north of Delicate Arch to Salt Wash, and around the Garden of Eden and the Windows past Spring Canyon and following the boundary south of the windows to Third Canyon off Courthouse Wash.

One emergency message was delivered during the month, several out-of-sites campers were moved into the campground, patrolling rangers assisted several motorists experiencing difficulties and one minor first aid case was treated.

Forest Fire Protection: The fire tools in the small fire case at Arches were reconditioned on the 22nd.

Insects and Tree Diseases: Two played pines were felled and treated for pine engraver beetle infestations near Skyline Arch on the 2nd. Regular operating funds were used.

Building Fire Protection: The annual building fire hazard inspection was made by Rangers Morris and Carter on the 14th.

Two new fire ladders were received and placed, one in the utility area and one at the visitor center.

Sanitation: Daily erosion caused by heavy rains laid some of the sewer pipes bare in the no. 2 comfort station drainfield at the Devil's Garden campground making it necessary to divert this run-off by trenching and dyking around the area.

Installation of a new drain field for the #1 comfort station and proposed ranger station at the Devil's Garden was begun with day labor on the 27th. Some 700' of sewer pipe have been laid and trenching for the drain field has begun.

The septic tank for the #1 comfort station and the pit toilets at Devil's Garden, The Windows and the Dry picnic area were pumped by Lee Campbell's Tank Service on the 19th.

Maintenance: WODC Project Engineer John C. Ballard and members of his crew surveyed and laid out pipeline connections and drainfield for the new installation at the #1 comfort station at the Devil's Garden on July 10 and 11.

The Sand dune Arch - Broken Arch trails were connected and two signs constructed and erected during the month.

Dinosaur track stencils, for trail markers, were designed by Ranger Follows and are being used as an experimental test on the Delicate Arch Trail. Visitor reactions appear to be favorable.

Rangers Mabery and Follows scouted the proposed Devil's Garden loop trail through Pin Canyon on the 12th.

The Windows trail was repaired after heavy rains on the 9th has taken out three culverts.

The covers on the interpretive device boxes at LaSal Mountain Viewpoint were repaired on the 24th after having been torn off by vandals.

A much needed directional sign was placed at the junction of the lower Salt Valley and Klondike Bluffs roads. A program to replace old and deteriorated trail signs has been initiated.

Resource Planning.

Cooperation With Other Federal Agencies: Monument personnel conducted a full day's training session in interpretive and protection functions for BLM Resources Area Manager Douglas Wood, Monticello, on the 26th.

Cooperating Non-Governmental Agencies: Money orders in the amount of \$2,305.00 were sent to the Southwestern Monuments Association from sales items. Items sold during the month amounted to \$1,620.36. SUMA donations to the area totaled \$59.59.

Roby R. Mabery

Canyonlands National Park
 Arches-Natural Bridges National Monuments
 Moab, Utah 84532

A 2823

September 13, 1965

ACT	INFO	TITLE	INTLS.
1		SUPV	
2	✓	ASST	
3	✓	ADMIN	
4	✓	TRNG	
5	✓	OFF	
6	✓	STN	
7	✓	MORNING	
8			
DATE:			
REMARKS:			

Memorandum

To: Chief, Interpretation and Resources Management

From: District Park Ranger, Arches

Subject: Monthly Narrative Report, NPS (AM)-4, August 1965

General.

Weather Conditions: Temperature wise, August was almost a repetition of last year with the mean temperatures 3.4° below normal. Precipitation, however, was about normal. A weather summary follows:

<u>August</u>	<u>1965</u>	<u>1964</u>	<u>Normals</u>
Maximum Temperatures	102°	102°	101.8°
Minimum Temperatures	53°	46°	53.0°
Mean Temperatures	76.8°	77.5°	80.2°
Precipitation	.89"	1.36"	.87"

Increase in Travel: Arches travel during the month shows an increase of 92% over last August, bringing the annual travel to a 42.4% gain. Camper use shows a gain of 45.9% for the month and a 60.1% increase for the year to date while trail use increased 92% and 90% respectively. A travel summary follows:

<u>August</u>	<u>Visits</u>	<u>Variation</u>	<u>Year</u>	<u>Variation</u>	<u>August Campers</u>
1965	28,745		113,779		4,240
1964	17,751	+ 61.9%	79,919	+ 42.4%	2,932

	<u>1965</u>		<u>1964</u>	
	<u>Aug.</u>	<u>Year</u>	<u>Aug.</u>	<u>Year</u>
Delicate Arch	1,622	7,071	485	2,768
Landscape Arch	1,554	7,274	1,697	4,452
Double O Arch	384	1,936	241	1,362

Visitors: 8/12, Robert W. Bates, Staff Officer, Santa La Sal NF.,
Price, Utah
D. R. Gauffin, Asst. Regional Forester, U.S.,
Ogden, Utah
John L. Hougaard, District Ranger, USFS., Moab.
8/16, Dr. Robert J. Weiser, Professor of Geology, Colorado
School of Mines.
8/18, Vance L. Kaminski, Architect, WOOD
8/22, Leon J. Buist, FIA Recreation Survey, Michigan.
8/30, P. E. Hare, Geology Field Conference, Andrews University,
Berrien Springs, Mich.
8/31, Hubert D. Burne, Rocky Mtn. Forest & Range Experiment
Station, Fort Collins, Colo.

Special Activities: Electrical Engineer Roy Stamps made an inspection of the generation plant and electrical systems at the Devil's Garden on the 2nd.

The Arches headquarters area was inspected by Associate Regional Director George W. Miller and Regional Chief of Ranger Activities Thomas J. Williams on the 3rd.

A safety inspection of the area was made by Special Safety Assistant Maurice T. Thede on the 12th accompanied by Safety Chairman Ferris.

Miscellaneous: Three of Ranger Mabery's oil paintings, Delicate Arch, The Three Gossips and Angel Arch, were selected by the Moab Art Gallery for exhibit on the 19th. They are to be exhibited through Sept. 30.

The Arches staff received several complimentary letters and cards from visitors during the month ~~///~~ expressing appreciation for services rendered.

In this space I would like to express my thanks to Rangers Rothfuss and Reyer for assistance given by Ranger Reyer during the rescue phase of the joint UJM, NPS training sessions conducted at Arches on August 23 and 30.

Administration.

Personnel: Ranger Ferris was on annual leave 5 days, Aug. 25-29 inclusive.

Seasonal personnel were terminated as follows:

Russell O. Donoghue, Park Ranger, FIS-5, G.B Aug. 26
Ted Tibbetts, Park Ranger, FIS-5, COB Aug. 26.

Safety and Health: A serious accident occurred on the 12th when a Mrs. Isabelle Bird, 74, of Carmel, California suffered a broken hip in a fall at the visitor center entrance. Mrs. Bird was confined to the Allen Memorial Hospital in Moab for 20 days, being released to return home on the 31st.

A visitor car, a 1962 Ford Stationwagon owned by a Dr. James Bradley of Millington, Tenn, caught fire and was completely burned on the 14th. Special reports have been submitted.

A total of 5½ hours of rescue training was conducted on the 8th, 15th, 22nd and 31st with 7 permanent rangers and 4 seasonals of the Arches-Canyonlands staff participating at various times.

Conservation, Interpretation and Use.

Interpretive Facilities: The Arches visitor center was manned on an 8:00 am - 7:00 pm. daily schedule throughout the month.

Two more glass-fronted bulletin boards were erected at comfort stations numbers 1 and 3 in the campground. A map showing the general topography and what to see along the Broken Arch Trail was posted on the bulletin board at the trail head near comfort station # 3.

File cards have been made for all species of birds recorded in the Monument and cataloging of mammals and birds has been completed.

Final touches were put on the temporary campfire circle and screen at the Devil's Garden Campground. (See photos attached)

The following ^{books} were accessioned to the Arches Library during the month: Native Orchids of Colorado by Dr. John C. Long, Arizona by Ray Manley, Wild Rivers by the U. S. Depts. of Interior and Agriculture, and Amphibians and Reptiles of Western North America by Robert C. Stebbins.

Interpretive Services: Visitor Center contacts were up 6.6% over last August and conducted walk attendance shows an increase of 66.3% as 19,719 visitor contacts were made during the month. A summary follows:

<u>Trips</u>	<u>Description and Code</u>	<u>Attendance</u>
25	Fiery Furnace walks - OIA(2)	343
3	Broken Arch walks - OIA.(2)	130
1	Adventure, OIA.(2)	12
1	Unscheduled (Windows) OIB.	21
<u>30</u>	<u>Total Walks and Hikes:</u>	<u>506</u>
1	Bus Tour OIB.	31
<u>31</u>	<u>Total Conducted Trips</u>	<u>537</u>

<u>Trips</u>	<u>Description and Code</u>	<u>Attendance</u>
24	Campfire Talks O2A.(h)	2,009
3	Chamber of Commerce O7B.	135
<u>27</u>	<u>Total Talks</u>	<u>2,144</u>
	Visitor Center Contacts O5A.	12,758
	Campground and Trails O5C.	4,280
	Total	<u>17,038</u>
<u>58</u>	<u>Total Contacts</u>	<u>19,719</u>
<u>Selfguiding Facilities:</u>		
56	A.V. Shows O3C.	708
	Auto Tour Leaflets O6D.	6,040
	Wayside Exhibits O6E.	2,493
	Total	<u>8,555</u>
		<u>9,241</u>

Research and Observations: An annotated list of the mammals of the Monument was prepared during the month by Seasonal Ranger Carl Wadsworth. Several death camas (Zygadenus elegans) were observed in bloom in Birch Canyon on the 21st. Though the bird population appears to have ~~diminished~~ diminished somewhat, mourning doves were abundant throughout the month. A deer was struck and killed by a car near the Upper Fiery Furnace on the 26th.

Protection: The Delicate Arch Viewpoints road was closed for visitor protection due to a washout in Salt Wash on the 18th. It has remained closed through the remainder of the month.

The spider fence along Salt Wash, at the end of the swinging bridge, is in the process of being reconstructed to protect the trail from eroding away after having been washed out by the storm on the 18th.

Routine road patrols were made each morning, afternoon and evening throughout the month. Weekly trail patrols were maintained. Numerous verbal warnings and reprimands were issued by patrolling rangers for rock and plant collecting and other infractions.

A rattlesnake was caught and removed from campsite # 17 in the Devil's Garden campground on the 5th.

There was an increase in Hondas and other motor scooters in the area during the month and numerous contacts were made regarding restrictions in their use.

A ranger, Ranger Abbey, was assigned to the supervision of activities during the 3 hour filming of a Chevrolet add. by the Campbell Ewald Company of Detroit, along the Arches entrance road on the 10th.

Insects and Tree Diseases: The elm trees in the Arches headquarters area have been attacked by the leaf beetle (Chrysomelid) with increasing damage for the third straight season. Larval infestations reached a peak about August 10.

Sanitation: Installation of the new drain field for comfort station # 1 and the proposed ranger station at the Devil's Garden was completed on the 9th.

Maintenance: The Kohler generator plant at the Devil's Garden was sent to Salt Lake City for an overhaul on the 10th and was put back into service on Sept. 5. In the meantime a portable generator was used to power the slide projector for illustrated campfire talks.

During the absence of the generator the water supply pump could not be operated. Consequently, 48 loads, or 106,000 gallons of water was hauled from headquarters to the Devil's Garden water supply tank from August 9 through the end of the month. In fact this water hauling greatly hampered many other urgent maintenance duties. The outside faucets at the three comfort stations were removed on the 25th in an effort to conserve water.

The road to Klondike Bluffs, through Salt Valley, was bladed on the 9th. The Windows Trail received some asphalt patch work due to washouts in low areas and a new sign was constructed and erected at the head of the Double Arch Trail.

An asphalt berm was constructed along a 97' stretch of road shoulder in the vicinity of the Fiery Furnace on the 5th and 6th due to water erosion.

Resource Planning.

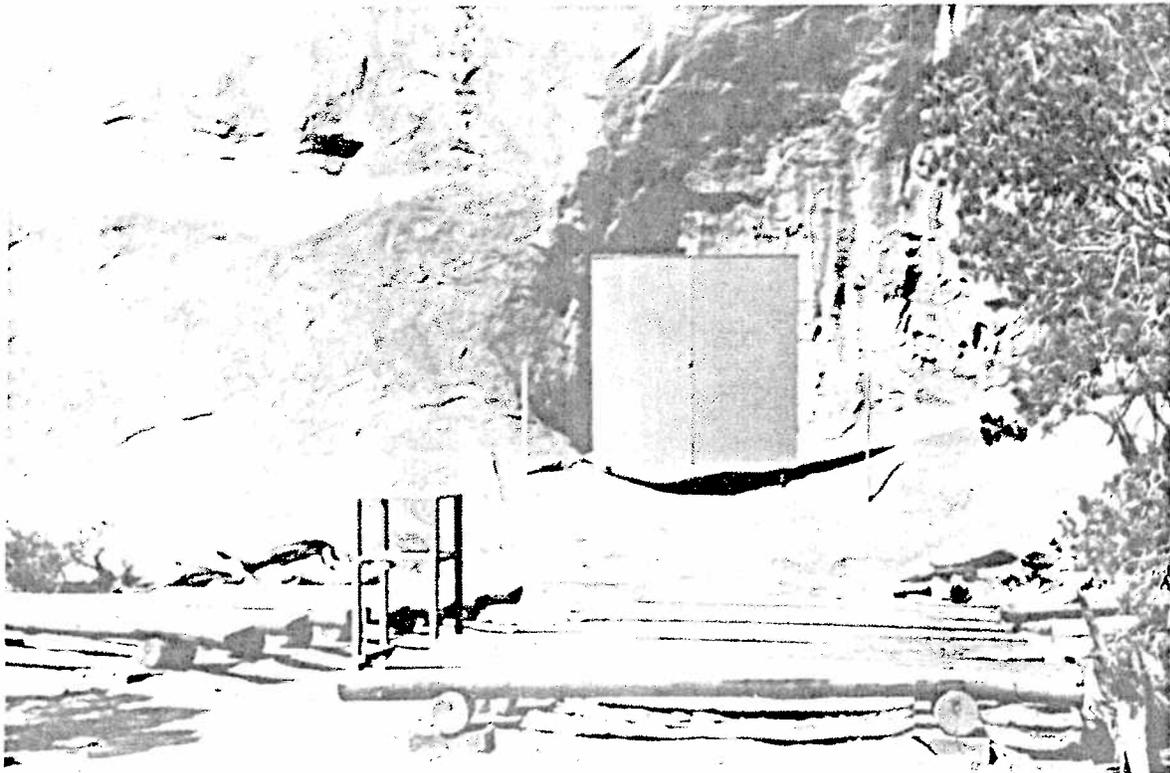
Cooperation With Other Federal and State Agencies: The Arches staff conducted 48 hours of training for BLM and Utah State Park personnel during the last two weeks in the month as a part of the BLM-UPS Joint Training Program. Three members of the BLM and two State Park Rangers participated as trainees.

Cooperating Non-Governmental Agencies: A total of \$1,495.00 from sales items at Arches was sent to the Southwestern Monuments Association during the month. SWMA donations during the month amounted to \$19.24.

DESIGN AND CONSTRUCTION

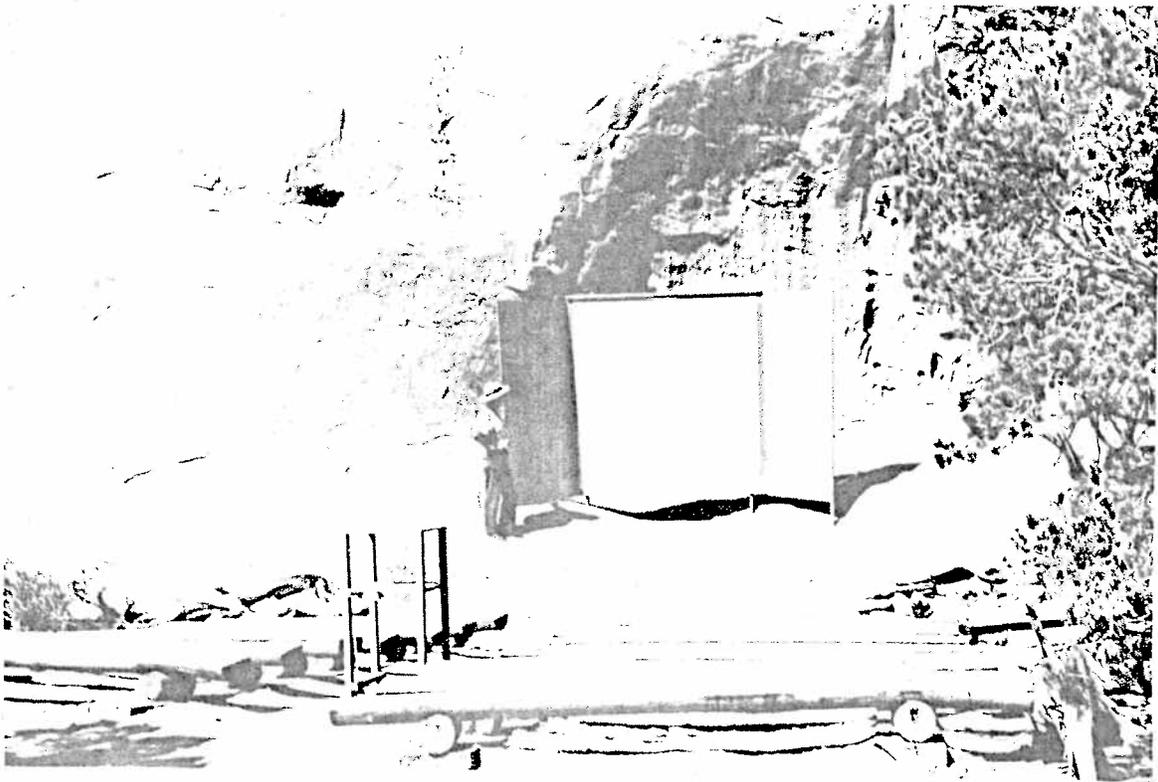
New Construction: Photos were made and the completion report for the Windows Trail was prepared and submitted by Arches personnel.


Roby R. Mabery



Temporary Campfire Circle - Devil's Garden Campground

Showing screen with doors closed. Doors are made of $\frac{1}{2}$ " plywood that can be locked closed to prevent damage to screen by vandals.



Temporary Campfire Circle - Devil's Garden Campground

Showing screen with doors open. Screen is made of 2 sheets of $\frac{1}{2}$ " plywood joined together and painted a flat white with a 3" brown border. This gives a $7\frac{1}{2} \times 7\frac{1}{2}$ ' screen which is mounted onto an iron pipe frame set into the sandstone. Two iron pipes on either side of the screen anchors the doors solidly when open.

Canyonlands National Park
 Arches-Natural Bridges National Monuments
 Moab, Utah 84532

A 2823

October 5, 1965

Memorandum

To: Chief, Interpretation and Resources Management

From: District Park Ranger, Arches

Subject: Monthly Narrative Report, NPS (AM)-4, September 1965

General.

Weather Conditions: Although precipitation was slightly below normal more rainy days were recorded as rain fell on 11 of the 30 days in the month. Temperatures were also below normal. A summary follows:

<u>September</u>	<u>1965</u>	<u>1964</u>	<u>Normals</u>
Maximum Temperatures	89°	95°	97°
Minimum Temperatures	35°	40°	38.5°
Mean Temperatures	65.4°	66.5°	67.4°
Precipitation	0.75"	0.36"	0.98"

Increase in Travel: There was a 63.7% increase in the Arches travel for the month over last September and a 44.8% increase in the annual travel. Camper use increased only 25.9% over last September while the annual camper use shows an 81.8% increase. Perhaps more visitors are making use of motel accommodations this fall. Cumulative camper use to the end of the month was 20,388 camper days as compared to 11,213 during the same period last year. A travel summary follows:

<u>Sept.</u>	<u>Visits</u>	<u>Variation</u>	<u>Year</u>	<u>Variation</u>	<u>Sept. Campers</u>
1965	17,465		131,244		1,973
1964	10,670	+ 63.7%	90,589	+ 44.8%	1,567

<u>Trail Used</u>	<u>1965</u>		<u>1964</u>	
	<u>Month</u>	<u>Year</u>	<u>Month</u>	<u>Year</u>
Delicate Arch	1,164	3,235	646	3,411
Landscape Arch	1,083	3,357	691	5,143
Double O Arch	265	2,201	135	1,479

(There was more visitor travel in Sept. 1965 than during July 1964.)

Visitors: 9/4, Bill Henderson, Naturalist, Petrified Forest
9/6, Julian R. Thomas, District Ranger, USFS, Salt Lake
9/17, Frank Wilson, Jr., Park Ranger, Carlisle Caverns
9/18, John Hunter, Park Ranger, Roosevelt-Vanderbilt
Tom Griffiths, Park Ranger, Rocky Mountain
9/19, Homer Leach, Asst. Chief Ranger, Bryce Canyon
9/25, Derek Mabry, Naturalist, Colorado

Administration.

Personnel: Ranger Follows was on annual leave Sept. 23 through the end of the month.

Naturalist Dennis Carter left for Grand Canyon on the 25th to attend the fall session of the NPS Academy at the Albright Training Center.

Ranger Ferris attended a BLM training session at Monticello on the 27th and 28th as a part of the NPS-BLM Joint Training Program.

Ranger Mabry assisted Ranger Reyer, Island In The Sky District, with the NPS-BLM Joint Training session held at Arches on the 14th due to the better facilities here. Classes conducted were rescue and entrance station and visitor center operations. Participants were Frank Bingham, Resources Area Manager, Monticello, and John D. Carlson, Price.

Seasonal personnel terminated as follows:

Carl E. Wadsworth, Park Ranger, ICS-5, COB Sept. 2.
George A. Stephens, Park Ranger, ICS-5, COB Sept. 12.
Edward P. Abbey, Park Ranger, ICS-4, COB Sept. 18.
Melvin L. Olsen, Caretaker, COB Sept 23.

Safety and Health: A safety film, "Stop Them Before They Start", was obtained from the Aetna Life Insurance Co., Hartford, Conn. by Ranger Ferris and shown at the visitor center on the evening of the 25th.

Ranger Mabry met with State Highway Maintenance Foreman George White on the 22nd to discuss the potential hazard caused by a gap in the guard railing near the Arches entrance. A memo has been received that the gap will be closed as soon as arrangements can be made.

Conservation, Interpretation and Use.

Interpretive Facilities: The audiovisual equipment has not functioned since the 6th and has been sent to Region for repairs. Ranger Follows is working on a new script for the audiovisual program.

The following items were accessioned to the Arches Library during the month: Trees Of The Canyon Country by the Bryce Canyon Natural History Association, and Geology Structure and Geologic Landmarks of the Moab Quadrangle by Paul H. Williams, 1948.

Interpretive Services: The last campfire talk of the season was conducted on the 15th; those scheduled for the 17th and 18th were canceled due to rain. A total of 6 campfire talks were conducted for 417 visitors (021.4). There was a 100% attendance at the campfire talk on the 8th as all 43 campers in the campground attended. Eleven Fiery Furnace walks were conducted for 133 visitors (01A.2) and 1 bus tour was taken for 25 school children. Four Chamber of Commerce slide shows were presented for 143 people (077.) and 1 illustrated talk was conducted for 67 school teachers and their families, (07A.).

The audiovisual program was presented 18 times with 269 attending (030.) 6,732 visitor center contacts were made (05A.) and 1,644 campground and trail patrol contacts were made (050.). The wayside Exhibit Register at Balanced Rock was signed by 1,750 visitors (06F) and 4,836 visitors took advantage of the auto tour guide (06B). There was a slight decrease in the visitor center contacts and Wayside Exhibit registers from September 19th.

Research and Observations: Several warblers, including the Nashville, orange-crowned, Dickcissel's, and Wilson's, were observed moving through the Monument during the month. The first Oregon Junco of the season was observed on the 22nd. Birds added to the Monument list during the month included Nashville Warbler, 9/6, Townsend's Warbler, 9/18, Lincoln's Sparrow and barn swallow on 9/22. This brings the total recorded bird count for Arches to 115 species.

Protection: Gate patrols were maintained through the 18th and campground fee collections were made through the 25th.

Ranger Ferris reprimanded a party of jeepsters on the 18th for driving off the established road and camping in the vicinity of Park Avenue.

Several trailerites were instructed to use pads under their drain hoses during the month.

Assistance was given in pulling a visitor car back onto the roadway after he had pulled too far off to take pictures in the vicinity of South Park Avenue on the 25th. Local tow services were obtained for a camper with car trouble on the 28th.

Salt cedar transplanting was done in back of the spider fence in Salt Wash near the Delicate Arch Trail and the fence rebuilt to protect the trail from erosion. The fence had been taken out by flood waters on August 17.

Maintenance: Weed burning was started on the 2nd and carried on periodically in an effort to catch the Russian Thistles before they begin becoming uprooted and stopping up drain culverts.

The Devil's Garden generator was received from Salt Lake and put back into service on the 5th. Then a rectifier burned out on the 14th and the generator has been out of service throughout the balance of the month.

Three man days were put in on the Devil's Garden Trail repairing washouts. The primitive portion of the trail from Landscape to Double O Arch was marked with the dinosaur track directional markers.

Hauling water to the Devil's Garden has been a continuing maintenance chore through most of the month due to the generator troubles.

Four man days were spent cribbing and building up the shoulders at various spots along the Delicate Arch Road. The Delicate Arch Viewpoints road has remained closed at Salt Wash throughout the month due to washouts.

Some gutter and shoulder patching work was accomplished along the main entrance road.

The State Highway Department center striped the road from the entrance to Balanced Rock on the 20th.

Resource Planning.

Cooperating Non-Governmental Agencies: A total of \$1,025.00 was sent to the Southwestern Monuments Association from sales items during the month.

Roby R. Mahery
Roby R. Mahery

Canyonlands National Park
 Moab, Utah 84532

A 2823

November 9, 1965

Memorandum

To: Chief, Interpretation and Resources Management
 From: District Park Ranger, Arches
 Subject: Monthly Narrative Report, NPS (AM)-4, October 1965

Administration.

Weather Conditions: Temperatures during the month were somewhat cooler than normal and although most of the month's precipitation fell during one 12 hour period it was a much wetter October than normal. 1.82" of precipitation was recorded during the night of the 15th which resulted in considerable road and trail damages. A weather summary follows:

<u>Date</u> <u>October</u>	<u>1965</u>	<u>1964</u>	<u>Normals</u>
Maximum Temperatures	86°	92°	85.5°
Minimum Temperatures	35°	28°	30.0°
Mean Temperatures	51.0°	56.4°	54.9°
Precipitation	1.96"	0.00"	0.99"

Increase in Travel: Visitor use increase over last year was 47.9% for the month and 45.1% for the year while campground use increased 40.5% and 79.8% respectively. Trail use also increased 27.9% for the month and 81.8% for the year. A travel summary follows:

<u>October</u>	<u>Visits</u>	<u>Variation</u>	<u>Cumulative</u>	<u>Variation</u>	<u>October Campers</u>
1965	8,032		139,276		933
1964	5,428	+ 47.9%	96,017	+ 45.1%	664

<u>Trail Use:</u>	<u>1965</u>		<u>1964</u>	
	<u>Month</u>	<u>Year</u>	<u>Month</u>	<u>Year</u>
Delicate Arch	567	8,802	400	3,814
Landscape Arch	559	8,916	451	5,594
Double O Arch	93	2,294	183	1,600

Visitors: 10/1, William A. Schuettler, Management Asst., Yosemite
10/2, Wayne Cone, Chief, I. & P., Curecanti
10/15, Vera Erling, Sec., Master Plans, Southwest R. O.
10/17, Dawn Dunn, Property Clerk, Western Regional Office
10/25, Carl Martens, Personnel Clerk, Mesa Verde

Miscellaneous: An epidemic of stomach flu hit the Arches area during the 2nd week in the month which put several family members into bed for a while but no lost time was experienced among the employees.

The Mabery family was selected as a typical camping family to work in the filming of "Canyonlands National Park", a travelogue being produced by Theater of Life Productions.

Administration.

Personnel: Ranger Follows was on annual leave October 1 - 4 inclusive. Ranger Ferris took 6 days of annual leave, Oct. 16 - 23, and Ranger Mabery took 4 days while working in a movie. Operator General Harold J. Shoemaker took 5 days annual leave, October 18 - 22.

Ranger Follows attended a BLM training session ~~10/10~~ in Price, Utah, October 7 and 8 as a part of the NPS-BLM Joint Training program.

Upon his return from annual leave, October 4, Ranger Donald S. Follows was appointed Acting Naturalist for Arches during the absence of Naturalist Dennis L. Carter until about December 10.

Marvin E. Eshom was promoted from Caretaker to Carpenter effective October 3.

Safety and Health: A safety committee meeting was held at Arches on the 11th. Safety Officer Ferris also conducted meetings in the Canyonlands Office on the 1st and in the Needles District on the 27th.

The "finger smashing" lock arrangement on the utility yard gate was replaced with a much safer, hasp arrangement on the 11th.

Conservation, Interpretation and Use.

Interpretive Facilities: The audiovisual equipment was received from Region and put back into service on the 22nd. Ranger Follows has submitted a much needed revision to the audiovisual program which has been reviewed by Regional personnel and returned for further preparation prior to final taping. This is an inspiring new approach to audiovisual orientation and should be well received by the visitor.

A copy of the book, The Wild Bunch of Hobbers about by Pearl Baker, was received and accessioned to the Arches library on the 29th.

The projection screen at the Devils Garden campfire circle was blown down by high winds on the 2nd. It has been brought into headquarters for repairs and winter storage.

The Arches auto tour guide leaflets were depleted on October 20 and the guide numbers removed from the roadsides. A revised tour-guide leaflet is being prepared.

Interpretive Services: At Arches, 2,547 visitor center contacts were made, (05A), a 20% decrease from last October, and 863 visitors signed the Wayside Exhibit register at Balanced Rock (06F) which also was a decrease of 21.4%. One campfire talk was conducted for 47 campers (025.4) against none in October 1964 and 2 off-site talks were conducted for a total of 42 people (073) which was a 64.4% decrease from October of last year. The audiovisual program was presented 6 times to a total of 54 visitors (03C), against none last year, and 199 roving contacts were recorded (05C). No record was kept of this activity last year.

An estimated 1,816 visitors took advantage of the auto tour guide (06D). 525 auto tour guide leaflets were sold during the month. No record of this activity was kept last year.

Research and Observations: C. Melvin Akins, Curator, and Floyd Sherrick, Assistant Director, Archeological Research, University of Utah, investigated 3 archeological sites in the Courthouse Towers - Courthouse Wash section of Arches on the 17th.

Visitors reported observing a covey of 20 chukars along the road to Turnbow Cabin on the 23rd. Although chukars are not uncommon in this area this is the largest number yet recorded in a single covey.

Protection: Ranger Mabery received notification from the Sheriff's Office on the evening of the 10th that an escapee had abandoned a stolen car at Lower Courthouse Wash on U.S. 160 and was believed to be in the Monument. All residents were notified to lock all vehicles. On the morning of the 11th a Steven Ward Ellis, answering the description of the escapee, appeared at the Arches visitor center. The County Dispatcher was notified by Truck Driver Charles W. Gerhardt and local officers of the Sheriff's Posse and Highway Patrol came to the Monument and arrested Ellis. A special report has been submitted. *+ requested*

The fences and water gaps in Upper and Lower Courthouse Wash were rebuilt on October 22 and 26 respectively as a protection against stray cattle.

The west boundary fence was worked in conjunction with a boundary patrol on the 25th.

One early morning and 2 late evening deer patrols were made on contributed time, due to limited available manpower, during the deer hunting season.

Two motorists experiencing difficulties were assisted during the month. Two visitors from North Hollywood were assisted in a half hour search for a camera lense in the vicinity of Balanced Rock on the 27th. The lense was found by one of the visitors.

Building Fire Protection: The annual building fire hazard inspection report was finally submitted, some 3 weeks late, on the 20th.

The wooden storgae shelves in the oil and paint storage room of the utility building were torn out and replaced with metal ones in accordance with the recommendation of the Regional Safety Assistant.

The weeds and brush along the utility yard fence were removed and burned as a measure to reduce fire hazards.

Wildlife Activities: All h pellet-group transects at Arches were surveyed during the month. Three transects indicated a slight increase in the deer population while the kth one still indicates a downward trend.

Maintenance: The new rectifier to replace the one that burned out in the Devils Garden electric system finally arrived on the 7th only to be the wrong size. A re-order was submitted and the proper size finally received on the 21st. It was installed and the system put back into service on the 27th.

Due to the lack of electricity to power the water supply pump it was again necessary to haul water to the Devils Garden area through the 27th.

The south end of the campground was closed on the 18th and comfort stations #2 and 3 closed, drained and winterized on the 20th. #1 comfort station and the first 22 campsites still remain in service.

The tree watering system at the Arches visitor center was drained for the winter on the 20th.

The storm of October 15 and 16 caused considerable damage to dirt roads and paved road shoulders and gutters but due to water hauling and lack of road equipment only hand repairs could be made. Limited road repairs were made on the 28th and 29th much road and trail work is still needed.

Construction of new storage bins in the utility building begun on the 28th in order to get bolts and other materials off the floor and into better storage.

Painting of 22 of the campground tables was accomplished during the month.

Resource Planning.

Cooperating Non-Governmental Agencies: A total of \$100.00 was sent to the Southwestern Monuments Association from sales items at Arches during the month.

Noby R. Mabery

NRMabery: ma

Canyonlands National Park
Moab, Utah 84532

A 2823

December 7, 1965

Memorandum

To: Chief, Interpretation and Resources Management
From: District Park Ranger, Arches
Subject: Monthly Narrative Report, NPS (AM)-4, November 1965

Administration.

Weather Conditions: Precipitation was slightly above normal and temperatures were 6.7 degrees above normal. A summary follows:

<u>November</u>	<u>1965</u>	<u>1964</u>	<u>Normals</u>
Maximum Temperatures	72°	73°	68.7°
Minimum Temperatures	21°	20°	20.7°
Mean Temperatures	48.2°	49.6°	41.5°
Precipitation	.77"	.49"	.65"

Increase in Travel: Visitor travel into Arches increased 32.1% over November 1964 but was down 33.3% from November 1963. Opening of the new Devils Garden road in late October 1963 brought quite an influx of local travel during the fall of that year. Campground use increased 126% for the month and 79.6% for the year-to-date while trail use shows an increase of 73.2% and 81.6% respectively. A travel summary follows:

<u>November</u>	<u>Visits</u>	<u>Variation</u>	<u>Cumulative</u>	<u>Variation</u>	<u>Nov. Campers</u>
1965	2,959		142,235		132
1964	2,240	+ 32.1%	98,275	+ 44.7%	54
1963	5,936	- 33.3%	115,450	+ 32.2%	91

<u>Trail Use:</u>	<u>1965</u>		<u>1964</u>	
	<u>Month</u>	<u>Year</u>	<u>Month</u>	<u>Year</u>
Delicate Arch	245	9,047	141	3,955
Landscape Arch	226	9,142	137	5,731
Double O Arch	85	2,379	43	1,643
TOTALS	556	20,568	321	11,324

Visitors: 11/1, Clyde Lockwood, Sub-District Ranger, Rocky Mountain.
11/6, George Gallagher, Engioneer, Dinosaur.
11/10, Gerald Dudley, Satte Park Ranger, Deadhorse Point.
11/25, Dick Martin, Park Ranger, Olympic.
Ben Martin, Park Ranger, Big Bend.
11/26, Peter Thompson, Park Ranger, Yellowstone.

Special Activities: Regional Director Beard and Chief, WODC, Sanford Hill inspected the Arches roads and campground on the 6th.

Miscellaneous: A Going-Away party was held at the Arches utility area for Park Ranger Eldon J. Reyer and family on the 2nd, prior to their departure to their new assignment at Mount McKinley.

Ranger Mabery spent the 26th - 28th visiting Natural Bridges, Halls Crossing, Bullfrog Basin and taking a boat trip to Rainbow Bridge to look over and get acquainted with developments and facilities in these areas for orientation purposes.

The American flag, which is flown at Arches, became frayed and ripped by the winds and was repaired by Mrs. Mabery on the 5th.

Administration.

Personnel: Ranger Mabery attended 3-day structural fire training session at Capitol Reef, November 1, 2 and 3.

Ranger Donald S. Follows was reassigned from Arches to the Island-in-the-Sky effective November 29.

Rangers Mabery and Ferris attended a 2-day training session in riot control, conducted by the FBI and Utah National Guard in Moab on the 23rd and 24th.

Naturalist Dennis L. Carter has been in attendance at the Horace M. Albright Training Center throughout the month.

Safety and Health: Ranger Ferris conducted a safety committee meeting in the Island-in-the-Sky District on November 20. A documented safety program for the Complex has been drafted.

Conservation, Interpretation and Use.

Interpretive Facilities: The geology portion of the Arches auto tour guide leaflet was rewritten and submitted by Ranger Follows during the month.

A portable tape recorder has been received for research and interpretive use.

Interpretive Services: At Arches, 749 visitor center contacts were made, (05A), a 13.7% decrease from last November and 304 visitors signed the Wayside Exhibit Register at Balanced Rock, (06F) a 16.5% increase over November 1964. The audiovisual program was presented 5 times for a total of 60 visitors, (03C) against none last November and 115 roving contacts were made, (05C).

Research and Observations: A Golden Eagle was observed twice during the month. A Kit Fox was observed near the visitor center on the 8th. Truck Driver Gerhardt reported observing 20 deer between the Balanced Rock and Courthouse Wash on the 29th.

Protection: Five members of the Arches staff assisted in a search of the Island-in-the-Sky - White Rim areas for the occupants of an apparent abandoned car on Grandview Point on the 13th. The missing persons were only out hiking for three days.

Thirteen back-country hikers from Boulder, Colorado spent 3 days camping and hiking in the vicinity of Fin Canyon. They were briefed and issued a fire permit prior to their departure on the 26th.

Cattle were observed near Turnbow Cabin on the 25th and Stockman John Ross notified.

Assistance was given to a stalled car by Ranger Follows on the 26th.

Rangers Ferris and Mabery made a back-country patrol into the area north of Fin Canyon on the 30th.

Building Fire Protection: A stand pipe was installed on the old 2" water line near quarters 8 on the 1st for use in filling the water truck, to eliminate tying up a fire hydrant for this purpose.

The biannual hose lay change in all the Arches hose houses was accomplished on the 8th. The formerly used "accordian" lay was replaced with the horse-shoe or "U" lay which requires fewer folds in the hose and unravels with much less effort.

Checking and inspecting the fire extinguishers was completed.

Sanitation: Covering the sewer line between comfort station #1 and the drain field at the Devils Garden was completed on the 26th.

The campground pit toilets were cleaned and made ready for use on the 15th and comfort station #1, closed on the 23rd.

Maintenance: The old water tank and system at headquarters were drained for the winter and a drain valve installed at a low point in the 2" line just west of quarters 7 on the 1st and 2nd.

The old water heater in quarters #8 was replaced on the 2nd. The water heater in quarters #3 was removed from the kitchen and placed in the furnace room, where it belongs, on the 12th.

The house trailer quarters at Arches was disconnected from utilities and winterized on the 16th.

An insulating box was constructed and installed over the stand pipe near quarters # 8 on the 17th.

The painting of the campground and picnic area tables was completed with 72 tables being painted during the month.

On the 17th it was determined that the Davils Garden water system is losing approximately 700 gallons of water daily. Maintenance crews have spent a good share of the balance of the month trying to locate the leak but to no avail.

An oil line on the Davils Garden generator broke on the 25th and was repaired on ~~the~~ December 2 after some difficulty in obtaining proper fittings.

A 30' long, 2 1/2" drain pipe was installed at the lower end of the big cut in the Upper Fiery Furnace area on the 23rd to prevent further damage to the road by flood waters. Eleven dump loads, 55 yards, of fill was used to repair road shoulders and 4 loads, 20 yards, to repair the Delicate Arch road crossing at Salt Valley Wash.

A flash flood on October 15 almost took out a 60' section of the Delicate Arch road at the Salt Valley Wash crossing (see attachment 1). A ditch about 25' wide by 1' deep with a 3 to 4' berm along the outer edge was constructed on November 29 and 30 to divert flood waters and prevent further erosion. (attachment 2)

The old work bench in the carpenter shop was replaced with the construction of a new one and the construction of the storage bins was completed.

The 100 gallon propane tank, rented from Suburban Gas Company, was returned on the 30th.

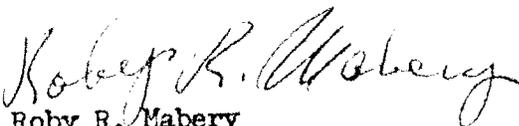
New tires were installed on the sedan delivery, vehicle 80634, on the 26th.

Resource Planning.

Cooperating Non-Governmental Agencies: The Scotts Oriole nest, found in the Monument last July, was donated to Dr. Behle of the University of Utah on November 6. This is considered a rare find in this general vicinity.

DESIGN AND CONSTRUCTION

New Construction: Photos and the Narrative History were prepared and submitted for use in completion reports for Projects 1 (1), Bituminous Surfacing, Arches Entrance Road; and Project R-5, Construction of Devils Garden Road.


Roby R. Mabery

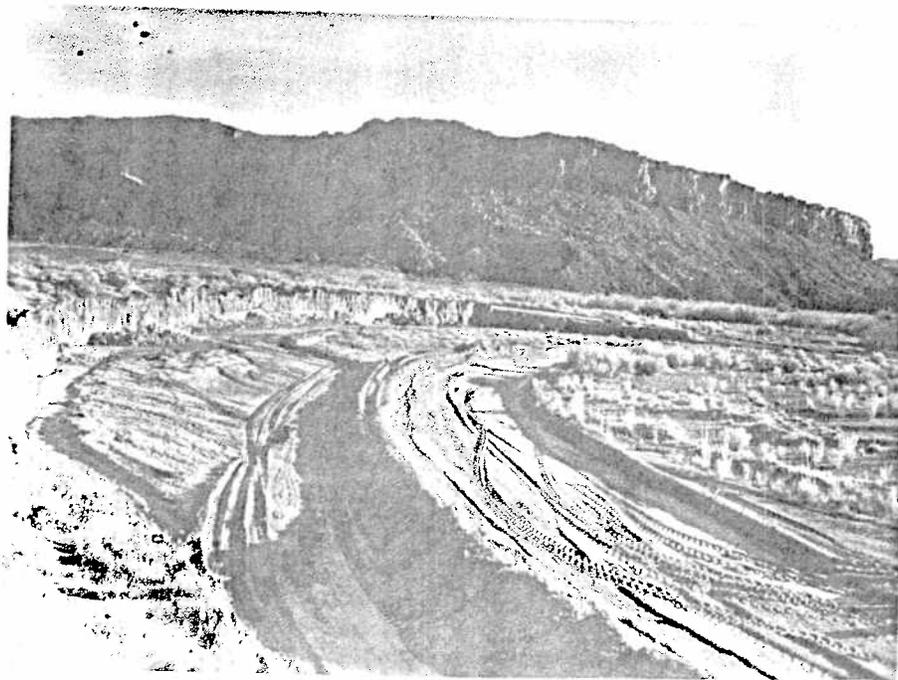
Attachments: 2



Salt Valley Wash, just above the Delicate Arch Road crossing, showing the water course heading into the bank. During a flash flood of October 15 a 6 to 12 foot strip of earth was eroded from this bank for a distance of more than 125 feet. One more such storm would take out a part of the road, extreme right center.



Start of construction of ditch to divert flood waters of Salt Valley Wash away from the bank in order to save a portion of the Delicate Arch Road. Note vehicle on road.



Ditch completed, 25' wide and 1' deep with a 3 - h' high berm along the outer edge. Delicate Arch Road and crossing left center.