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# Jasmine Dupree

— Natural Resource Management —

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# National Park Service

- federal agency within the U.S. Department of the Interior
- President Woodrow Wilson established the National Park Service in August of 1916.
- was intended to consolidate management of federal parklands under one agency
- manages 84 million acres today across all U.S. states and territories

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# Arches National Park

— Located in Moab, Utah —

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# History

- Arches National Monument was formed in April of 1929 when President Herbert Hoover signed a document dedicating 4,520 acres.
- On November 25, 1938, President Franklin D. Roosevelt signed a Presidential Proclamation, enlarging Arches.
- Finally, in November of 1971, this monument became the Arches National Park when President Richard M. Nixon signed a public law.
- The park was created with the intent to protect its natural arches, spires, balance rocks, and other sandstone formation and owes its name to these structures.

# Nature

- Nocturnal- kangaroo rats, skunks, bobcats, bats, owls, woodrats, etc.
- Crepuscular (only appearing at dawn and dusk)- mule deer, coyotes, porcupines, desert cottontails, songbirds, etc.
- Diurnal (only appearing during the day)- chipmunks, lizards, snakes, hawks, eagles, etc.



# Nature

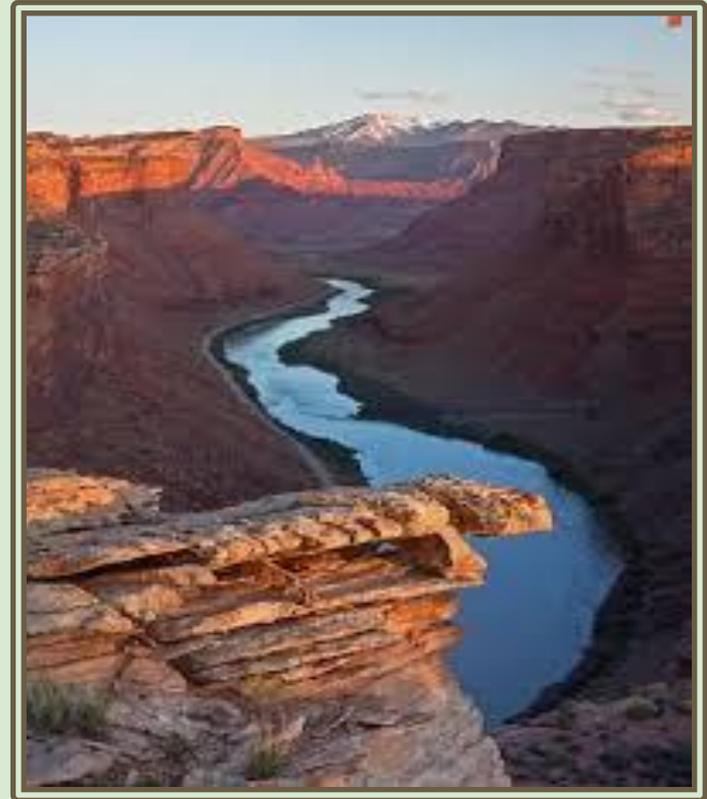
Arches National Park contains several distinctive species of various plants. Examples include: cacti, moss, columbine, maidenhair, monkey flower, etc.

- Drought Escapers (plants come annually when there is available water)
- Drought Resistors (perennials)
- Drought evaders (riparian areas where water is plentiful)



# Nature

- Arches National Park describes their air quality as “moderately good.” Emissions of Nitrogen and Sulfur, in particular, are higher, contributing to small amounts of air pollution, reduced visibility, and negative effects on the vegetation.
- Water quality is very good at Arches National Park. They have negotiated 8 water agreements in the last 20 years in order to protect and preserve their limited water supply.



# News

## High Fire Dangers Prompt Fire Restriction...

June 11, 2020

Due to the forecasted weather situation and extremely dry accumulations of dense vegetation, the following things were prohibited:

- Campfires unless in permanent, concrete pits provided
- Smoking unless in designated area
- Welding or metal cutting of any kind
- Fireworks or the use of guns

# News

## **Input Sought on the Use of a New Pathway...**

January 13, 2020

The National Park Service (NPS) seeks public input on a plan to allow bicycle use on the newly constructed Arches Visitor Center Connector Trail. The trail connects the Arches visitor center to the Moab Canyon Pathway.

# News

## **National Parks Fee Free Days Announced for 2020**

November 21, 2019

The Southeast Utah Group of national parks is joining national parks across the country in waiving entrance fees on five days in 2020 as a way to encourage people to get outdoors and spend time with their friends and family in the national parks this year.

- Martin Luther King, Jr. Day, Start of National Park Week / National Junior Ranger Day, National Park Service Birthday, National Public Lands Day, Veterans Day

# News

## **Arches National Park to Celebrate International Dark Sky Park Certification**

September 13, 2019

Arches National Park celebrated their certification as an international dark sky park on Saturday evening, Sept. 21, 2019. Park rangers and partners from around the Colorado Plateau hosted a ceremony and star party at the newly completed Panorama Point stargazing area. There were constellation tours, telescope viewing, and educational talks.

# News

## **Woman's decapitation at Arches National Park...**

November 1, 2020

On June 13th of 2020, a woman was decapitated in the Arches parking lot when a metal gate on the entrance road near the visitor's center swung into a couple's car. There is now a \$270 million "wrongful death" claim against Arches National Park.

# Research

Arches National Park carries out a variety of research regarding wildlife, vegetation, and environmental factors. Some examples include:

- a recent study on whether predicted future climate trends may cause the ratio of cool- season and warm- season to shift in favor of one or the other.
- monitoring of several species of landbirds across 11 parks. This helped determine which species were present and needed management practices in place to protect them.

# Management

Number of people working in the park: 50

Careers within the park include:

- Administration
- Facilities management
- Visitor services
- Research stewardship and Science
- Visitor and resource protection

As of 2018, the park had approximately 1,663,557 visitors per year.



# Other Park Information

- Highest Elevation: Elephant Butte  
5,653 feet
- Lowest Elevation: Visitor Center  
4,085 feet
- Memphis, TN Elevation:  
259 feet



# 5 things to do at the park

1. Hiking- There are approximately 16 trails, ranging from 50 yards to 7.2 miles. No supplies are required besides what you feel is necessary.



# 5 things to do at the park

2. Stargazing- Arches contains one of the darkest skies in the country and is ideal for stargazing. There are 4 recommended sites; however, you can perform this activity from wherever you are in the park.

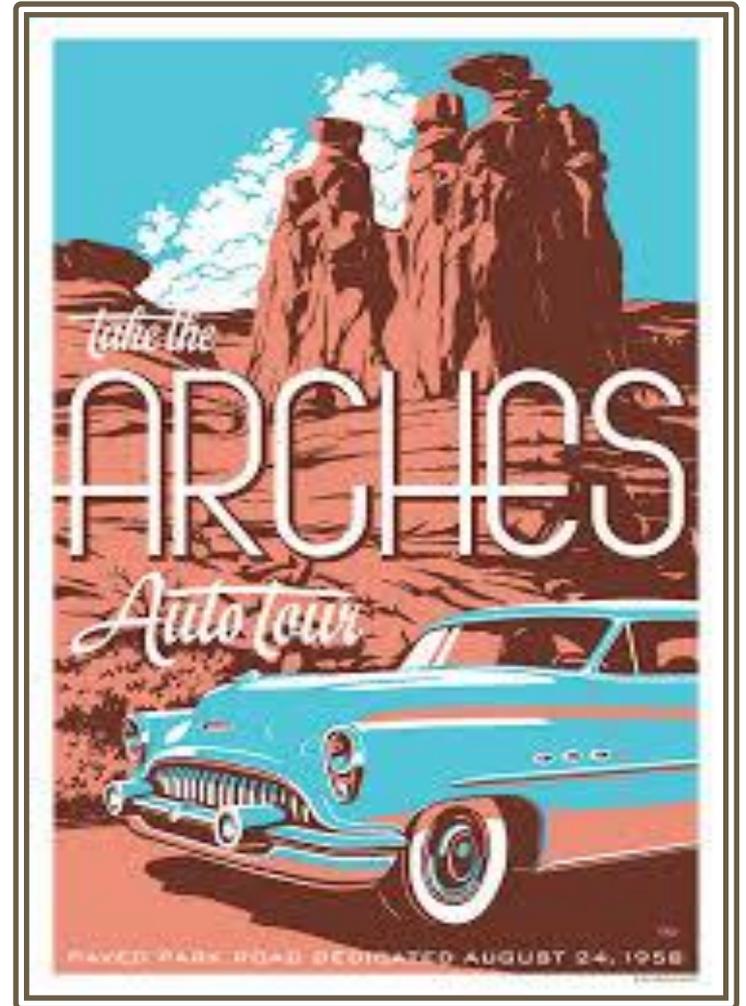


# 5 things to do at the park

3. Auto Tour- There is an 18-mile scenic road which you can drive and admire the landscape.

Private Vehicle Fee (15 passengers or less)- \$30

Motorcycle Fee- \$25



# 5 things to do at the park

## Backpacking

- The park's backcountry is mostly rough terrain, inaccessible by established trails with very limited water sources. Be sure to bring all water you will need.
- Primary safety considerations include steep terrain, loose rock, lightning, flash floods, and dehydration.
- You must have a permit for all overnight stays in the backcountry. They issue permits in person at Arches Visitor Center up to seven days before the trip start date and up to one hour before closing time.

# 5 things to do at the park

5. Ranger-led Programs- Ranger-led programs include short interactive sessions to talk about Arches's wildlife, vegetation, history, etc., guided walks, and Fiery Furnace Hikes.



## 5 interesting facts not listed anywhere else.

- I. Over 11 films have been shot at Arches National Park, including Indiana Jones.
- II. Arches National Park contains over 2,000 arches on its property.
- III. The area receives approximately only 9 inches of rain per year.
- IV. A total of two people have died at this national park. It was a couple who fell into the bowl area near Delicate Arch while hiking.
- V. This park has the densest concentration of natural stone arches in the world.

