

"The Grand Canyon of the Colorado . . . as unearthly in the color and grandeur and quantity of its architecture as if you had found it after death on some other star.'

Like Muir, those of us who stand along the rim are prompted to muse about the canyon's seeming unearthliness and then to wonder about the earthly events that created and are still changing this place.

After more than 100 years of studies, significant parts of the geological story are still obscure. We do know,

These split-twig figurines found in caves within the canyon probably represent deer or bighorn sheep. Left here by hunters 3,000 to 4,000 years ago, they are evidence that man has gazed upon the Grand Canyon of the Colorado for a long, long time

Hidden in the layers of the Grand Canyon are fossils of ancient plants and animals, some as old s 570 million years. Each individual fossil is a tiny portion of the record of the evolution of life on earth.

South Rim Rising some 2,100 meters

(7,000 feet) above sea level the South Rim supports plants and animals adapted to a dry, however, that the Grand Canyon is a product of the conflict between two great earth forces: mountain-building on the one hand and gravity on the other. This portion of the earth's crust has been elevated 2.5 kilometers (1.5 miles) above sea level, and water, powered by gravity, is carrying this place to the sea. The vehicle is the mighty Colorado

Today, the Grand Canyon is about 1.5 kilometers deep (1 mile); it ranges in width from about 200 meters to 30 kilometers (600 feet to 18 miles); and measured along the

Inner Canyon

The Colorado River below

Grand Canyon Village is only

730 meters (2,400 feet) above

sea level. The vast inner canyon

emperatures exceeding 40°C

is a hot, dry desert with summer

(100°F). Above the rims, the

surface of the land slopes from

north to south. Water falling on

the South Rim flows away from

the canyon; water falling on the

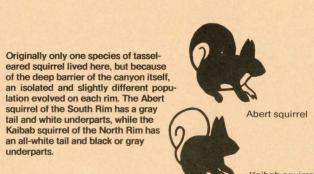
North Rim flows toward the

canyon. Thus the North Rim

has been eroded farther back

extra water.

rom the river because of this



Pinyon pine

South Rim

Publications and

A free park newspaper, Grand

Canyon "Guide," is available

at entrance stations and other

locations; it contains current

information about park activi-

and events are also posted on

bulletin boards throughout the

Publications (about the Grand

Canyon and other national

ties. Schedules of activities

Schedules of

Activities

Both the Abert and Kaibab squirrels depend upon the same foodthe seeds and inner bark of the ponderosa pine.

within the canyon.

2,000 million years.

Different kinds of trees grow on the North Rim from those on the South Rim. Even the moderate difference in elevation between the two rims influences the vegetation

greatly multiplied.

Bighorn sheep, natives

naving difficulties com

peting with the wild

burros that roam the

canyon, overgrazing the

Burros were abandoned

land and otherwise de-

stroying the habitat.

in the canyon by prospectors around 1900 and since then have

of the Inner Canyon, are

Spruce.

North Rim dryness of the Inner Canyon, sharply con trasting with the coni fers of the North and

Cactus and other plants

with special adaptation

thrive in the heat and

The North Rim is 2,400 meters (8,000 feet) above sea level, 300 meters (1,000 feet) highe

facing slopes, year-round and intermittent streams, and

support life in abundance—from desert life forms at the

the conifer forest communities on the rims.

that is happening today and every day.

Some animals are at

out the park

home in several environ

ments and live through-

seasonal climatic variations. These various environments

lower elevations near the river and on the canyon walls to

In the Grand Canyon, geological and biological processes are combined in one awesome spectacle. An appreciation

and an understanding of this spectacle come with a recogni-

tion that creation of the canyon is a continuing process

than the South Rim, and the climate is colder and wetter

ertain about rocks beneath the surface

A Brief Geologic History of the Canyon

The canyon cross section above roughly follows the Bright Angel Trail from the South Rim to the Colorado River and Bright Angel Creek from the river to the North Rim, showing major rock formations. The following explanation is keyed to the rock formations numbered in the cross section: 1 About 1,700 million years ago

is today. The high temperatures and pressures associated with the mountain-building changed the rocks in existence then into the dark crystalline rocks we see today in the Inner Gorge. 2 These early mountains were eroded down to their roots, and where they once stood, crustal movements of the earth created a basin in which more than 3.500 meters (12.000 feet) of sediments and volcanic rocks were collected. About 800 million years ago, these layers were pushed up to form new mountains. These, in their

turn, were eroded down to their roots. 3 Between 570 and 225 million years ago, the Grand Canyon region was once again a basin -something like the present Gulf of Mexico. The flat-lying sandstones, shales, and limestones that today form the upper threefourths of the canyon walls were collected in this basin.

North Rim

river, it is 443 kilometers long (277 miles). From the rims

of the canyon, we look down on the tops of mountains that

measure 600 meters or more (2,000 feet) from their bases

else on earth has such a geological record been so clearly

exposed. Within the walls of the Grand Canyon we have a

view of geologic time—a view that stretches back as far as

Besides providing insights into geologic history, the Grand Canyon is a vast biological museum. The "grand" canyon

and its innumerable side canyons are bounded by high

plateaus that have cool north-facing slopes and hot south-

One result of the conflict here is that perhaps nowhere

About 225 million years ago, the building blocks were in place

ago the earth's crust in this region began to rise above sea level. Snow and rain falling on the newly created Rocky Mountains had to find a path to the sea, and the Colorado River began to establish its course. At some time between 5 and 25 million years ago, the river started to carve the Grand Canyon, cutting down through the different layers of materials that had accumulated here for at least 2,000 million years.

tremendous mountains were pushed up where the Grand Canyon

here, but the carving had not yet begun. About 65 million years

Administration

Grand Canyon National Park is administered by the National Park Service, U.S. Department of the Interior. The superintendent's address is Grand Canyon, AZ 86023. As the Nation's principal conservation agency, the Department of the

Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering the wisest use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to assure that their development is in the best interests of all our people. The Department also has a major responsibility for American Indian reservation communities and for people who live in Island Terri tories under U.S. administration

National Park Service U.S. Department of the Interior

Overnight hikes. To safe-

guard the delicate desert en-

Park Service limits the num-

OVERNIGHT PERMITS ARE

tom Ranch; Cottonwood and

grounds on the North Kaibab

Trail. Advance reservations

are strongly recommended

for: groups, hikes planned

from about March 1 to April

30, weekends, holidays, and

other popular vacation peri-

ods. Groups are strictly lim-

ited to 15 people. For details

on trails, campgrounds, and

permits write to: Backcountry

Reservation Office, P.O. Box

129, Grand Canyon, AZ 86023.

Or phone (602) 638-2474—

Phantom Ranch is just north

of the river on North Kaibab

Trail. Reservations for lodge

and dormitory accommoda-

tions and meals there must

be made with Reservations

Park Lodges, Grand Canyon,

AZ 86023; phone (602) 638-

For additional information or

arrive without one, go to the

Office, South Rim Visitor Cen-

for camping permits if you

Backcountry Reservations

ter, or the NPS Information

Desk, Grand Canyon Lodge,

From some places along the rims

of the Grand Canyon, you can't

even see the Colorado River

North Rim.

Rapids (left).

Dept., Grand Canyon National

answered 1 p.m. to 5 p.m.

daily, Mountain Standard

Roaring Springs Camp-

ber of overnight campers.

vironment of the canyon, the

Grand Canyon

Arizona

How to Use this Folder.

There are three separate areas in the park—the South Rim, the North Rim, and the Inner Canvon or Inner Gorge, Each has different facilities, different activities, and even different climates. This folder contains a separate section devoted to each area and is designed for use throughout the park. General information of interest to all park visitors is shown below

For Your Safety

Climbing in the canyon is dangerous; technical experts won't attempt it, so unskilled climbers shouldn't either. Most of the rock is too crumbly for safety.

Driving too fast or under the influence of alcohol or drugs is prohibited; the maximum speed limit is 75 kilometers per hour (45 mph). Remember that you are unfamiliar with the park roads and

Hitchhiking is a violation of National Park Service regulations. For your own safety—don't hitchhike; don't pick up hitch-

Heart attacks have resulted from lack of oxygen. The canyon rims are 2,100 meters (7,000 feet) or more above sea level, and

Swimming in the Colorado River should not be attempted. Water temperature is about 10°C (50°F) year-round, and the current flows from about 7 kilometers per hour (4 mph) up to 23 kph (14 mph)

Temperatures within the Inner Canyon can reach extremes; they soar to 50°C (120°F) in summer and plummet to well below freezing in winter. Winter storms also bring high winds and snow or cold rain. These extremes in weather can be fatal. Take enough water and food; dress for the weather; know your own physical limitations; seek shade or shelter before it's too late

Where are you? Does someone else know? Your Wilderness Trailhead Reservation is your protection; it helps park rangers know when and where to look for you if you are lost or injured. The small amount of water that you can carry won't last very long in emergencies.

Some Things You **Should Know**

Entrance fees are charged. Grand Canyon National Park is a Designated Federal Entrance Fee Area.

Park rangers are the men and women in uniforms and broad brimmed hats, and they're here to help you have an enjoyable, safe visit and to protect the park and its features. Their responsibilities include those provided by city police and fire organizations. Contact any park ranger for information or assistance, and report all accidents, thefts, vandalism, and lost-and-found items at the nearest visitor center, ranger station, en-

Camping in Grand Canyon National Park campgrounds is limited to 7 days. In most park locations, camping is not permitted outside of designated campgrounds. You can build campfires only in campground fireplaces, and fires must be completely extinguished before the campsite is vacated. You cannot cut or gather firewood: firewood and other fuels can be purchased at general stores. Place all rubbish in trash containers. Fees charged for rim campgrounds

Fishing opportunities are limited. An Arizona license is

Motorcycles.trailbikes.and other off-road vehicles may not be operated outside of established public roads and parking areas. ALL DRIVERS must have a valid State driver's license. ALL VEHICLES, including minibikes and mopeds must be licensed.

Maj. John Wesley Powell

the Civil War, led the first

Colorado River through

the Grand Canvon. He

rode the river in a chair

strapped to one of the

group's wooden boats

and searched the river

ahead for hidden rocks

and rapids. This adven-

named the "Grand

turesome geologist also

Canvon," as he referred

to it in his diary of that

Colorado

expedition down the

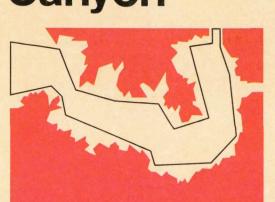
Pets are not allowed on canvon trails. A kennel is available at Grand Canyon Village on the South Rim.

Collecting natural and historic objects is prohibited.

parks, the Southwest and its Feeding of animals is a dan-Native Americans, and natural gerous and prohibited prachistory), posters, and U.S.G.S.

topographic maps are for sale at park museums and information stations. They are sold by the Grand Canyon Natural History Association, a non-Service information desk. profit organization; proceeds aid educational and scientific activities of the National Park Service at Grand Canyon. NEVADA FLAGSTAF 50 Miles

Inner Canyon



Exploring the Canyon Desert

The Inner Canyon desert may be explored on foot, by mule, or by boat. On such trips, you will see more closely the canyon's rich natural beauty and sense even more sharply its immense size.

Seasons. The desert seasons follow cycles much different from those of the North and South Rims. Temperatures and precipitation shown below are for Bright Angel Campground at river level, 730 meters (2,400 feet) above sea level.

Spring (March, April, May)—When spring arrives on the canyon rims, summer is already advancing into the Inner Canyon. Wildflowers are at their best from February to April. Average high and low temperatures: 28°C and 13°C (83°F and 56°F). Average monthly precipitation: 1.4 centimeters (0.5 inch).

Summer (June, July, August)—Summer in the Inner Canyon is hot! Plan on carrying 4 liters (4 quarts) of water per person per day; travel during the cooler morning and evening hours. Average high and low temperatures: 39°C and 24°C (103°F and 76°F). Average monthly precipitation: 2.2 centimeters (0.8 inch)

Fall (September, October, November)—Although occasionally days are too hot or too cold, fall is the ideal time for hiking in the Inner Canyon. The low humidity still requires an ample supply of water. Average high and low temperatures: 28°C and 14°C (83°F and 58°F). Average monthly precipitation: 1.8 centimeters (0.7 inch)

Winter (December, January, February)—Below the higher elevations the weather is mild, and spring wildflowers begin blooming in February. But snow and ice usually cover the upper 300 meters (1,000 feet) of the canyon walls, making footing on the trails treacherous. Hikers need both hot and cold weather clothing. Average high and low temperatures: 15°C and 4°C (59°F and 39°F). Average monthly precipitation: 1.9 centimeters (0.8 inch).

Hiking and Camping

Hiking trails. From the South Rim, Bright Angel Trail, 15 kilometers (9 miles) long, and South Kaibab Trail, 11 kilometers (7 miles) long, lead to the River Ranger Station. North Kaibab Trail, 23 kilometers (14 miles) long, connects the North Rim with the river.

A few trails penetrate the Grand Canvon wilderness: these are not maintained, distances are great, and water is hard to find and heavy to carry All hikers should gain experience on Bright Angel and Kaibab Trails before attempting the wilderness trails.

advance how many hours you want to hike; when one-third of your time has elapsed, start hiking back out. Trails suited for day hiking from South Rim are Bright Angel and South Kaibab, as well as the shorter trails Hermit and Grandview From the North Rim there is the North Kaibab Trail. HIKING TO THE COLORADO RIVER AND BACK IN ONE DAY IS NOT RECOM-MENDED. Permits are not required for day hikes. ALWAYS CARRY PLENTY OF WATER In hot weather, carry at least 4 liters (4 quarts) of water per person per day.

Day hikes. For safe and com-

fortable day hikes, decide in



REQUIRED AND ADVANCE DEPARTURE. RESERVATIONS ARE USU-ALLY NECESSARY for camp-**Backpacking equipment** In summer only, you can rent ing on wilderness trails and in the four Inner Canyon campgrounds: Indian Gardens on the Bright Angel Trail; Bright Angel Campground at Phan-

equipment from Grand Canyon Trail Guides at the Santa Fe Railroad Depot in Grand Canyon Village, South Rim. Mule Trips South Rim. Trips to Plateau

REMEMBER: ALL HIKERS

MUST HAVE TRAILHEAD

VATIONS AND MUST OB

TAIN A PERMIT BEFORE

CAMPING BELOW THE RIM

OR CAMPGROUND RESER-

Point (1 day) and Phantom Ranch (2 days) are conducted vear-round, weather permitting. Make reservations well in advance: Reservations Dept. Lodges, Grand Canyon, AZ

North Rim. Trips go down the North Kaibab Trail as far as Roaring Springs, 15 kilometers (9 miles) round trip. Write to Grand Canyon Scenic Rides, Kanab, UT 84741, or inquire at Transportation Desk, Grand Canyon Lodge.

PERSONS WEIGHING MORE THAN 90 KILO-GRAMS (200 pounds) AND CHILDREN UNDER 12 YEARS OLD ARE NOT PER-MITTED ON THE MULES.

River Tours

as possible.

Trips along the Colorado River are oar-powered or motorpowered and vary in length from 3 to 18 days. There are 22 river-running concessioners licensed by the National Park Service: names and addresses are available at South Rim Visitor Center or by mail from the park superintendent. Make inquiries and reservations as far in advance

down below. But from any vantage point, the river's handiwork is abundantly clear. These photographs by David Muench show the Grand Canyon from Bright Angel Point on the North Rim looking across Deva emple and Angels Gate to the South Rim (right); and into the depths of the canyon from Hopi Point on the South Rim to Hermit

probably tired when you arrive.

the air is extremely thin. Overexertion can be a contributing factor.

North Rim

Information Centers

Jacob Lake Information Station, 72 kilometers (45 miles) north of Grand Canyon Lodge, is operated jointly by Grand Canyon National Park and Kaibab National Forest

North Rim Entrance Station is about 21 kilometers (13 miles) north of Bright Angel Point, which is on the canyon rim.

North Rim Information Station is located in Grand Canyon Lodge at Bright Angel Point. Park rangers provide information and orientation; trail guides, brochures, and maps are available; and publications are for sale

How to See the Park

Private auto. A42-kilometer (26-mile) paved road leads from Grand Canyon Lodge to Cape Royal. It provides an eastward view of the canyon toward the Painted Desert. Angels Window is on Cape Royal. Point Imperial, 5 kilometers (3 miles) off the Cape Royal Road, offers the best park view across the canyon to the Painted Desert. Point Sublime Road begins 1.2 kilometers (3/4 mile) south of the North Rim Entrance Station. This primitive road is 27 kilometers (17 miles) long and is not recommended for vehicles with low bottom clearance. No camping; no water.

On foot. Take short or long hikes along the rim or on the selfguiding nature trails at Bright Angel Point, Cape Royal, and at Walhalla Ruins on Cape Royal

Commercial tours. Bus Trips leave every afternoon in the summer from Grand Canyon Lodge to Cape Royal where geology talks are presented.

THE NORTH RIM IS CLOSED IN WINTER, FROM ABOUT MID-OCTOBER TO MID-MAY.

ties: Summer Only Evening programs are presented every night at the campground amphitheate and the Grand Lodge. Scheduled ranger guided walks and hikes are offered daily.

Other Visitor Activi-

Religious services are conducted by the Christian Ministry at Grand Canyon (interdenominational), the Church of Jesus Christ of Latter Day Saints, and the Roman Catholic Church

Visitor Facilities

Services and supplies. Camper store, U.S. Post Office, service station, showers and laundry, and sanitary dump station (at campground) are located on the North Rim. Additional service stations are located at VT Park and Jacob Lake north of the park.

Meals. Restaurants and refreshments are located on Bright Angel Point at Grand Canyon Lodge and outside the park.

Lodging. Inside the Park: For rates and reservations for Grand Canyon Lodge write T.W.A. Services, 451 North Main, Cedar City, UT 84720 phone (801) 586-7686

Outside the Park: Motels are located at Kaibab Lodge, 28.8 kilometers (18 miles) north of Grand Canyon Lodge, and at Jacob Lake, 72 kilometers (45 miles) north. Both are in Kaibab National Forest. Other accommodations are available at Fredonia, Marble Canyon, and Page, Ariz., and

The next morning, enjoy a

leisurely drive across the Kai-

bab Plateau and arrive in the

park early enough to assure

yourself of a campsite.

North Rim Campground

(operated by the National

Park Service) first-come, first

served; fees; water and rest-

rooms. For organized group

reservations, write to Group

Grand Canyon National Park,

Reservations, North Rim,

Grand Canyon AZ 86023.

Commercial tours. Bus and Limousine Tours are provided by

(1) Hermits Rest, (2) Desert View, and (3) to Cameron (summer

Grand Canyon National Park Lodges from Grand Canyon Village to

only) on the Navajo Indian Reservation east of the park. Air Tours,

both fixed-wing and helicopter, leave (1) from Grand Canyon Airport

14 kilometers (9 miles) south of the Village, and (2) from Tusayan,

13 kilometers (8 miles) south of the Village. Commercial air tours

are also available at Page and Williams, Ariz., and Las Vegas, Nev.

Grand Canyon Trail Guides, Sante Fe Railroad Depot, Grand Can-

water trip down the Colorado River to Lees Ferry; return the same

CENTER

TO TUSAYAN, AIRPORT, WILLIAMS & FLAGST

610 Meters

ROAL

CLINIC

Guided Hikes and Vehicle Tours (summer only) are offered by

yon Village. River Float Trips leave by bus from Grand Canyon

Village to Glen Canyon Dam, Page, Ariz., for a 5-hour, smooth-

day (summer only). Mule Rides-see under Inner Canyon.

HERMIT'S REST

De Motte Campground (operated by U.S. Forest Service) 8 kilometers (5 miles) outside the park boundary; first-come, first-served; fees; water and restrooms

KAIBAB

PLATEAU

Camping. If you plan to camp at North Rim Campground, you might consider staying at Jacob Lake the night before.

Rim to Rim

(10 miles) separate the developed areas of the North and South Rims, traveling from rim to rim is a challenge. The distance by road is 344 kilometers (214 miles), quite a trip despite the convenience of the automobile. The most direct way to cross the canyon is by foot on the Kaibab Trail, which leads from Yaki Point on the South Rim down to the river, across to Phantom Ranch, and then up the North Rim slope, ending 3 kilometers (2 miles) from Grand Canyon Lodge. The distance by trail is 33.6 kilometers

Jacob Lake Campground (operated by U.S. Forest Service) located at junction of U.S. 89A and Arizona 67, 51 kilometers (32 miles) from the park entrance; first-come, firstserved; fees; water and rest-

Traveling From

Though only 16 kilometers Modern man has an advantage the early Indians and explorers did not have: a steel suspension bridge spanning the Colorado River wide enough to carry a man as well as a mule The bridge was built in 1928. From the South Rim, pack mules carried 122 tons of steel, equipment, camp supplies, and other materials 10.2 kilometers (6.3 miles) down the trail to the river. Each of the eight suspension cables was unwound along the rim of the canyon and then carried to the site by 42 Havasupai Indians hired for the occasion

In Case of **Emergency**

Picnic Area

Vista Encantadora

WALHALLA

PLATEAU

Contact a park ranger or phone (602) 638-2477. A FIRST-AID ROOM (registered nurse on duty) is at the Information Desk, North Rim Lodge. The nearest physician is at Kanab, Utah, 130 kilometers (81 miles) north of the North Rim.

Planning Your Visit to the North Rim

Seasons. Because of heavy snowfalls, the North Rim is closed every year from about mid-October to mid-May. The other seasons, however, offer something special and quite different from the South Rim. Elevation on the North Rim ranges from 2,400 to 2,700 meters (7,800 to 8,800 feet) above sea level; thus the climate is cooler and wetter than on the South Rim, where elevation is about 2,100 meters (7,000 feet)

Winter (December, January, February)—The North Rim is closed, often buried under as much as 3 meters (10 feet) of snow. Average high and low temperatures: 4°C and -8°C (39°F and 18°F). Average monthly precipitation: 7.8 centimeters (3.1 inches)

Spring (March, April, May)—The North Rim is usually open by mid-May, sometimes earlier, but even before the snow has completely retreated, warm updrafts from the Inner Canyon will have caused spring flowers to bloom on Cape Royal. Between the North Entrance and Bright Angel Point, flower-filled meadows are ringed by snowbanks near the forest's edge. But despite the sunshine, the air is chilly and the nights are cold. Average high and low temperatures: 12°C and -2°C (53°F and 28°F); average monthly precipitation: 4.7 centimeters (1.8 inches).

Summer (June, July, August)—One of the most rewarding experiences of a summer visit is a drive to Cape Royal past fragrant locust in bloom and countless field and mountain flowers. Summer days are generally clear and crisp with occasional afternoon thunderstorms or heavy rains. Evenings are chilly. Average high and low temperatures: 24°C and 6°C (75°F and 43°F); average monthly precipitation: 4.8 centimeters (1.9 inches)

Fall (September, October, November)—The days from September until the snows arrive and close the North Rim in mid-October are pleasant. Aspens mantle the hillsides with gold, and the crisp air is invigorating. Average high and low temperatures: 15°C and 0°C (59°F and 32°F); average monthly precipitation: 4.1 centimeters (1.6 inches).

Transportation

Private motor vehicles. Arizona 67 leads southward from U.S. 89A at Jacob Lake. The distance from Jacob Lake to the North Rim Entrance Station is 51 kilometers (32 miles); the canyon rim at Bright Angel Point is 21 kilometers (13 miles) further south. The park road is closed by snow from about mid-October to mid-May

There is no bus or rail service to the North Rim of Grand

Planning Your Visit to the South Rim

has its advantages and disadvantages.

Seasons. The South Rim, like the canyon, changes with the sea-

sons. Roads and many facilities are open all year, and each season

Spring (March, April, May)—If you visit the park during Easter vaca-

tion and the weeks surrounding it, you'll have to do more advance

closed, and moderately heavy snows can occur through April, with

crowded conditions when the weather is good. In early spring trails

may be snowpacked and icv. Average high and low temperatures:

16°C and 0°C (60°F and 32°F); average monthly precipitation: 2.5

Summer (June, July, August)—Long lines and crowded conditions

are the rule at most visitor facilities. Campgrounds are often full by

8:00 a.m., and other accommodations may fill before noon. After-

noon showers, thunderstorms, and occasional heavy rains can be

(82°F and 51°F); average monthly precipitation: 7 centimeters (2.7

expected. Average high and low temperatures: 28°C and 11°C

Fall (September, October, November)—This is the best time to

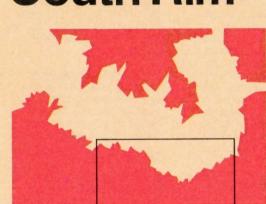
visit Grand Canyon! The park is not crowded and the weather is

planning than at other times of the year. Many facilities are still

light snow as late as mid-May. School vacations contribute to

Grand Canyon Airlines provides charter flights to the North Rim. However, flights to this dirt airstrip are dependent on field conditions. Contact Grand Canyon Airlines, P.O. Box 186, Grand Canyon, AZ 86023; phone (602) 638-2407.

South Rim



Information Centers

The visitor center, located in Grand Canyon Village, 6 kilometers (3.5 miles) north of the South Entrance Station, is open every day; hours vary with the seasons. Park rangers provide information and orientation, trail guides, brochures, and maps are available at the Information Desk; publications and maps are for sale; and schedules of Park Service activities are posted on bulletin boards and listed in the park newspaper.

Exhibits in the visitor center museum sketch the natural and human history of Grand Canyon and the surrounding area

Yavapai Museum, perched on the rim of the canyon 800 meters (0.5 mile) east of the visitor center, offers a view of the canyon from large observation windows. Exhibits highlight the geological history

Tusayan Museum, adjacent to Tusayan Ruins on the East Rim Drive, is 5 kilometers (3 miles) west of Desert View. Displays describe the life of the prehistoric dwellers of 800 years ago.

How to See the Park

Canyon shuttle. From Easter to mid-October, Grand Canyon Village is served by minibuses that provide transportation to lodges, restaurants, shops, and Mather Campground; to various ranger activities and visitor facilities; and Memorial Day through Labor Day, along scenic West Rim Drive.

Private auto. The West Rim Drive, from Grand Canyon Village to Hermits Rest, is 12 kilometers (7.5 miles) long and passes several canyon overlooks. IN SUMMER, THE DRIVE IS CLOSED TO PRI-VATE VEHICLES: ACCESS IS BY CANYON SHUTTLE. The East Rim Drive to Desert View is 40 kilometers (25 miles) long. At Desert View the Watchtower overlooks the canyon and the Painted Desert; along the way are Tusayan Ruins and museum and Lipan Point, with perhaps the finest view of the canyon.

Bicycles. Bicycles are permitted on all park roads including West Rim Drive in summer. Use caution and common sense.

On foot. Take short or long hikes on the self-guiding nature trails, paths, and undeveloped trails along the rim between Mather Point and Hermits Rest, a distance of 14 kilometers (9 miles). The views change from point to point, and the canyon changes as the sun moves across the sky. Other enjoyable hikes begin at many canyon overlooks on both the East and West Rim Drives.

Other Activities

Evening programs by Park round in Grand Canyon Village. Similar programs are given at Desert View Camp-

ground in summer. Ranger-guided walks and hikes are presented on a scheduled basis at Grand

GRAND CANYON

VILLAGE

OUTH RIM ENTRANCE STATION

Canyon Village throughout the year and at Desert View and Tusayan Ruins in summer.

Religious services are conducted by Church of Jesus Christ of Latter Day Saints, **Grand Canyon Community**

Picnic Area

Picnic Area

Church (interdenominational Christian Ministry at Grand Canyon), and Southern Baptist Church.

Grand Canyon Guide has current information for vis-

Special summer programs

include the Junior Ranger Pro-

gram, a nature awareness pro-

gram for ages 7 to 13.

Propane is available in Tusayan, Flagstaff, Williams, and

the Camper Services Building. Mather Campground. located in Trailer Village, just

south of Mather Center. Telephones are located at most public use facilities. The telegraph office is in the Grand Canyon National Park Lodges General Offices.

A pet kennel is just west of the Village, phone 638-2631. Pets are not allowed on canyon trails.

Lost and found facilities are at **Visitor Facilities** the Visitor Center Information Desk and Grand Canyon Na-

Services and supplies. Grand Canyon Village: Babbitt Bros. General Store, U.S. Post Office, and Valley National Bank are in the Mather Center which is located across the main road from the visitor

center. ice stations (diesel fuel). On the main road, the automo-Meals. Grand Canyon Village bile garage is west of the visi-

tor center; the service station has restaurants in El Tovar is to the east Hotel and Bright Angel Lodge:

cafeterias in Yavapai Lodge and the Motor Lodge; and a delicatessen in the General Store. Some facilities are closed in winter. There is a Laundry and showers are in snack bar at Desert View: other restaurants are in Tusayan.

Offices.

IN WINTER)

tional Park Lodges General

Desert View: General store

and service station (CLOSED

Tusayan: General store, serv-

there are cabins, motel units and hotels. Make reservations well in advance to Reservations Dept., Grand Canyon National Park Lodges, Grand Canyon, AZ 86023; phone (602) 638-2401. There is no lodging at Desert View. Outside the Park motels are located at Tusayan, 13 kilometers (8 miles) south of Grand Canyon Village; Cameron, 51 kilometers (32 miles) east of

Desert View: Grav Mountain

14 kilometers (9 miles) south

of Cameron; and Flagstaff and

Canyon Village. km (8 mi) and 50 km (31 m respectively, south of th

Outside the Park: On U.S. 180, Ten-X Campground; operated by the U.S. Forest Service; open spring through fall; 16 km (10 mi) south of Grand Private Campgrounds on U.S. 180 at Tusayan and Valle, 12.8 Village.

Camping. Grand Canyon Vil-

age: Mather Campground,

operated by National Park

Service; open year-round;

fees; first-come, first-served

except reservations available

in summer; tables, fireplaces,

water, and restrooms. For res-

ervations write Grand Canyon

National Park, P.O. Box 129,

Grand Canvon, AZ 86023.

concessioner, open year-

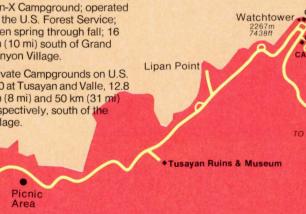
Trailer Village, operated by

round; utility hookups; sani-

tary dump station (closed in

winter). For reservations write

Grand Canyon National Park

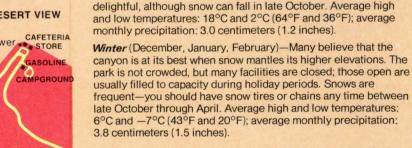


In Case of **Emergency:**

Contact a park ranger or phone 638-2477. A physician is on duty at the GRAND CANYON CLINIC, Center Road between South Entrance Station and Grand Canyon Village, phone

Information Bulletins

For up-to-date recorded information about weather, road conditions, and interpretive activities, telephone (602)



frequent—you should have snow tires or chains any time between late October through April. Average high and low temperatures:

centimeters (1.0 inch).

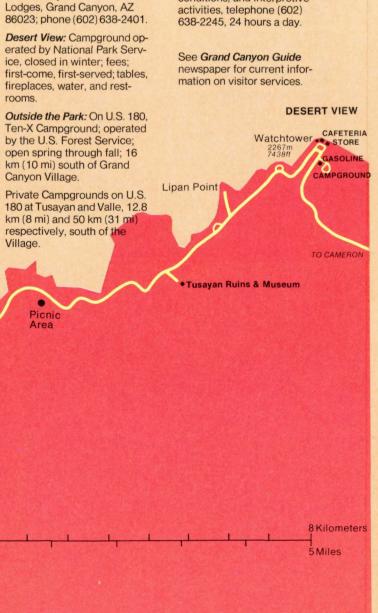
3.8 centimeters (1.5 inches). Transportation Private motor vehicles. I-40 (U.S. 66) crosses northern Arizona through Flagstaff and Williams. Grand Canyon Village is 132 kilometers (82 miles) northwest of Flagstaff, and 97 kilometers (60 miles) north of Williams. Desert View, the east entrance to the South Rim,

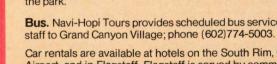
Air. Grand Canyon Airport, 14 kilometers (9 miles) south of Grand Canyon Village, is served by Cochise Airlines, Hughes Airwest, and Scenic Airlines. Commercial ground transportation is available to

is 51 kilometers (32 miles) west of Cameron, which is located on the

Bus. Navi-Hopi Tours provides scheduled bus service from Flag-

Car rentals are available at hotels on the South Rim, Grand Canyon Airport, and in Flagstaff. Flagstaff is served by commercial air and bus lines and by Amtrak.





Navaio Indian Reservation on U.S. 89