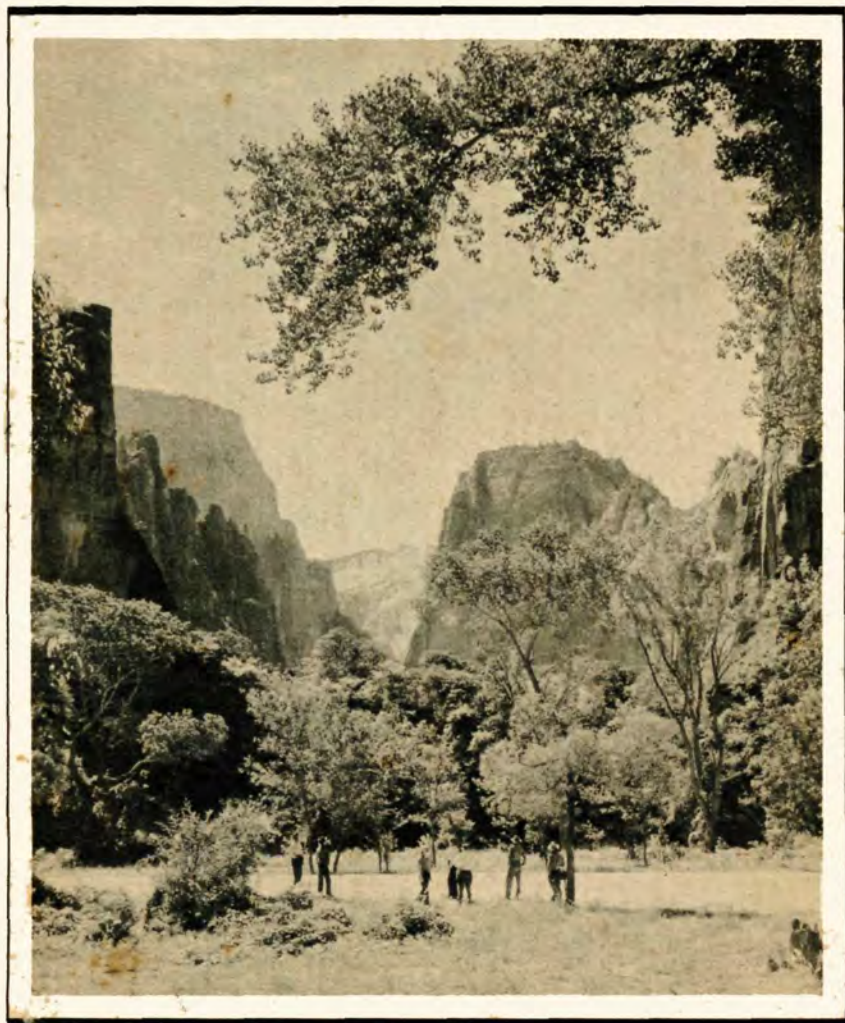


ZION AND BRYCE CANYON NATIONAL PARKS

★ U T A H ★



*UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE*

Zion and Bryce Canyon

[UTAH]

National Parks

United States Department of the Interior

Harold L. Ickes, Secretary

NATIONAL PARK SERVICE

Arno B. Cammerer, Director



UNITED STATES

GOVERNMENT PRINTING OFFICE

WASHINGTON : 1936

Rules and Regulations

THE PARK regulations are designed for the protection of the natural beauties and scenery, as well as for the comfort and convenience of visitors. The following synopsis is for convenient reference and general guidance of visitors:

Preservation of natural features

The parks are established primarily for preservation of natural features. Do not destroy or disturb flowers, trees, animals, etc. Writing on or otherwise defacing rocks and other natural features is strictly prohibited. Hunting and the use of firearms are prohibited.

Camping

Camp only in established camp grounds. Keep your camping area clean. BE CAREFUL WITH FIRE. Picnicking in the galleries of Zion Tunnel is not permitted. Lunching and picnicking prohibited except in public auto camp.

Disorderly conduct

Proper conduct is required of all visitors for the benefit of others who are entitled to get the fullest possible enjoyment from the park.

Pets

If you are carrying a dog, cat, or other pet, you may take it into and through the park provided it is at all times kept tied or confined within the car.

Trails

Do not attempt to make short cuts; to do so may endanger yourself as well as others using the trails. Before attempting the more difficult trails seek advice from a park ranger.

Automobile regulations

(a) PERMIT.—A charge of \$1 for each automobile is made for a Zion National Park permit, good for the remainder of the year in which issued. No charge for Bryce Canyon National Park permit.

(b) CAREFUL DRIVING.—The roads in the park are built purely for scenic purposes, not as high-speed thoroughfares. Observe the usual rules of the road; keep to right; do not park on curves; pass cars going in the same direction only when the road ahead is clear and the vision unobstructed.

(c) LIGHTS.—Your car must have its lights in proper condition before you will be permitted to enter Zion National Park.

Penalties

Maximum penalty for violation of park regulations is \$500 and/or imprisonment for 6 months.

Miscellaneous

The park rangers are employed to help and advise visitors as well as to enforce regulations. When in doubt, ask a ranger. A complete copy of the park rules and regulations is available on request.

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Events

OF HISTORICAL IMPORTANCE

ZION

- | | |
|------|---|
| 1776 | Father Escalante, a Spanish priest, explored Utah in search of a route to the Pacific, and crossed the Virgin River near Hurricane. His party is presumed to have named the river "Rio de la Virgen." |
| 1826 | Jedediah Smith, fur trader, with a party of about 16 men exploring the region to the south and west of their headquarters at Bear Lake, Utah, were the first white men to traverse the Virgin River, which Smith then named the Adams River in honor of the incumbent President of the United States. |
| 1847 | Brigham Young and his band of Mormons arrived in Utah and founded Salt Lake City and began the colonization of Utah. |
| 1858 | The colonization of Utah's "Dixie" begun by the Mormons. |
| 1858 | Zion Canyon discovered by Nephi Johnson, a Mormon scout, who, in November, rode into the canyon and up its course as far as the present location of the Zion Stadium. |
| 1861 | Joseph Black explored the canyon, and 1 or 2 years later was followed by a few settlers who raised crops and grazed stock in the canyon, which they called "Little Zion." |
| 1872 | Maj. John Wesley Powell, Director of United States Geological Survey and famous Colorado River explorer, visited the region and gave the name "Mukuntuweap" to the north fork and "Parunuweap" to the east fork forming the Virgin River. |
| 1904 | A cable tram from the East Rim (Cable Mountain) to the floor of Zion Canyon was completed and put in operation. |
| 1909 | Mukuntuweap National Monument established by proclamation of President Taft. |
| 1911 | Frederick Vining Fisher visited Zion Canyon and gave names to many of the outstanding formations such as Great White Throne and Angels Landing. |
| 1917 | Wylie Way Camp, first tourist accommodations, constructed. |
| 1918 | The area of the monument enlarged and the name changed to Zion by proclamation of President Wilson. |

Events

OF HISTORICAL IMPORTANCE

ZION—continued

- | | |
|------|--|
| 1919 | The national monument changed to a national park by act of Congress; area, 76,800 acres. |
| 1923 | President Warren G. Harding visited the park on June 27. |
| 1927 | First successful ascent of Great White Throne. |
| 1930 | East Rim Road and tunnel completed and dedicated. |
| 1933 | First recorded ascent of West Temple. |

BRYCE CANYON

- | | |
|------|---|
| 1872 | Bryce Canyon visited by A. H. Thompson, F. S. Dellenbaugh, and party on geological mission. |
| 1875 | The settlements of Escalante and Cannonville established. Ebenezer Bryce, for whom the park is named, settled at lower gateway to Bryce Canyon. |
| 1923 | Bryce Canyon National Monument, under administration of Department of Agriculture, created by presidential proclamation pending consideration for national-park status. |
| 1924 | Act of Congress authorized the creation of Utah National Park under condition that it should not be effective until all private land holdings within the proposed boundaries had been transferred to the Government. |
| 1925 | Bryce Canyon Lodge constructed. |
| 1928 | Private lands within the proposed boundaries deeded to the Government, and Bryce Canyon National Park formally created by presidential proclamation, under administration of National Park Service. Act of Congress changed name from Utah National Park to "Bryce Canyon." |
| 1931 | Boundaries extended to embrace 35,240 acres. Construction of Bryce Rim Road begun. |
| 1934 | Bryce Rim Road completed. |



The Monastery with Virgin River in foreground.

Grant photo.

ZION AND BRYCE CANYON

National Parks

- ZION—OPEN ALL YEAR •
 - BRYCE CANYON—MAY 10 TO NOVEMBER 1 •
-

FOR gorgeous coloring and unusual erosional formations the canyon country of southwestern Utah and northern Arizona has no equal. The canyons themselves are stupendous in size and formation, and of brilliant hues, glowing, almost unbelievably. It is in this country that Zion and Bryce Canyon National Parks and Cedar Breaks National Monument are located.

ZION NATIONAL PARK

Zion National Park, Utah, created by act of Congress approved November 19, 1919, was, prior to its reservation as a park, a national monument, called by the Indian name of the river, Mukuntuweap. The first monument proclamation was issued by President Taft on July 31, 1909. On March 18, 1918, the monument was enlarged by President Wilson to include a total of 76,800 acres, and the name changed to Zion. The new name is especially appropriate, for since early days its principal accessible feature has been called Zion Canyon by the Mormon settlers, who, being deeply religious, felt that the great mountains forming the canyon walls were in truth temples of God. The act of Congress giving the reservation national-park status did not increase its area. By an act of Congress approved June 13, 1930, an additional 18,088 acres on the east and south sides were included in the park. The total area is 148.2 square miles.

A "Yosemite Valley done in oils" comes close to a description of the principal feature of Zion National Park. This gorgeous valley has about the same dimensions as the famous Yosemite Valley. Extraordinary as are the sandstone forms, the color is what most amazes. The deep red of the Vermilion Cliff is the prevailing tint. Two-thirds of the way up, these



Zion Studios photo.

Zion Canyon.

marvelous walls and temples are painted gorgeous reds; then, above the reds, they rise in startling white. Sometimes the white is surmounted by a cap of vivid red, remains of another red stratum which once overlay all. The other colors are many and brilliant. The Vermilion Cliff rests upon 350 feet of even a more insistent red relieved by mauve and purple shale. That in turn rests upon a hundred feet of other variegated strata.

Through these successive layers of sands and shales and limestones, colored like a Roman sash, glowing in the sun like a rainbow, the Virgin River has cut its amazing valley. The entrance is between two gigantic stone masses of complicated architectural proportions which are named the West Temple and The Watchman. The latter is seen from a foreground of river. From a stairway of many colors it springs abruptly 2,500 feet. Its body is a brilliant red. The West Temple, which rises directly opposite and a mile back from the rim, is more than a thousand feet higher, and is the highest point within the park.

Passing the gates, the traveler stands in a canyon of nearly perpendicular sides more than a half a mile deep, half a mile wide at the bottom, a mile wide from crest to crest, whose walls blaze with color. On the right is Bridge Mountain, so named because there is an interesting natural bridge or "flying buttress" high up on its face, visible from the checking station. It is in the face of this mountain, on the Pine Creek side, that the famous Zion Tunnel is located. Beyond Bridge Mountain rises the massive East Temple, rich in hue, followed in succession by the Twin Brothers and the Mountain-of-the-Sun. On the opposite side of the canyon are to be seen the Streaked Wall and The Sentinel. Farther up is the Court of the Patriarchs above which stand the Three Patriarchs. On the same side of the canyon, opposite Zion Lodge, are Lady Mountain and the group of Mount Majestic, Castle Dome, and Spearhead Point.

Above the Lodge, against the east wall, stands the most remarkable rock pile of the region, a colossal truncated dome known as the Great White Throne. Seen through a saddle in the low red rock wall lying in front of it, this dome appears white above and red below. In reality, however, the huge rock is gray or white in color, with faint pink washings showing in places down its sides. Directly opposite it is a lesser monolith, although itself gigantic, called Angels Landing.

North of the Great White Throne the chiseling stream makes a great swing, past a projecting rock formation on the left known as the Great Organ. Farther on the mystic temple of Sinawava is entered. This is a great natural amphitheater, encircled with walls that appear to close behind as one enters. The floor is lined with deciduous trees accompanied by a remarkable

assortment of other vegetation. In the center of the circle stand two large stone pillars. The larger is the altar, the smaller one the pulpit. The south side of the altar bears the profile view of a great stone face known as the Guardian of the Temple, and is chiefly remarkable for the change of expression which takes place as one enters the sacred confines which he guards. The road ends at the temple.

From the temple for a distance of a mile up the river, a fine trail has been built up to The Narrows. At the end of the trail the cliffs rise sheer from the edge of the river, and further explorations must be made on horseback with a qualified guide. No park visitor should leave the park until he has at least made this mile walk to The Narrows.

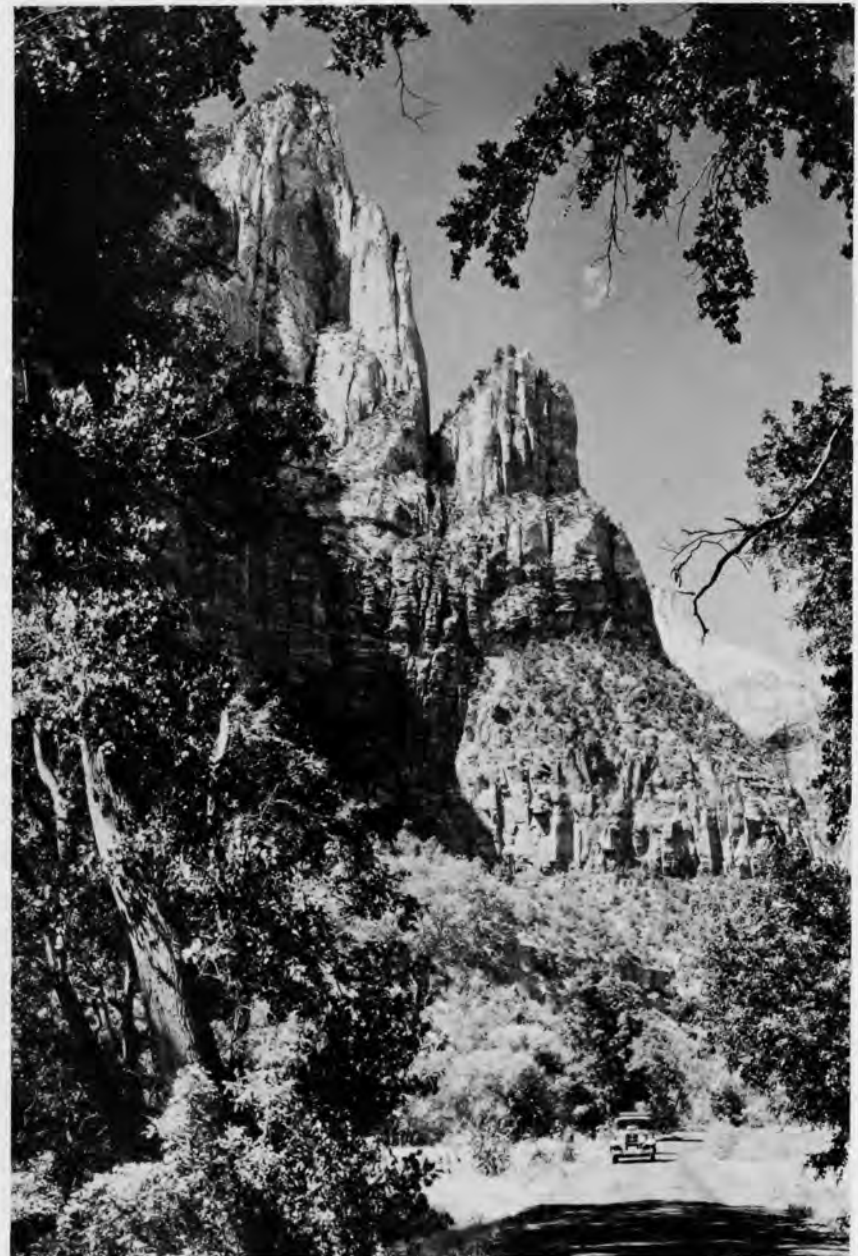
In contrast to the desert surroundings many springs trickle from various levels in the walls of the canyon, developing new tributary gorges, alcoves, and grottoes, which are decorated with trailing ferns and flowering plants. In the early spring the melting snows bring an added volume of water, which causes numerous waterfalls, while a really magnificent spectacle is produced by summer rains, when cascades tumble everywhere from the polished domes and cliffs. The waterfalls of Zion, once seen, are never forgotten.

Along the sides of the river, as it winds its way through the canyon, grow willows and poplars, and wild flowers abound. The trails leading up to the East and West Rims pass through forests of aspen, pine, and fir, and many varieties of wild flowers dot the ground.

FEATURES OF INTEREST

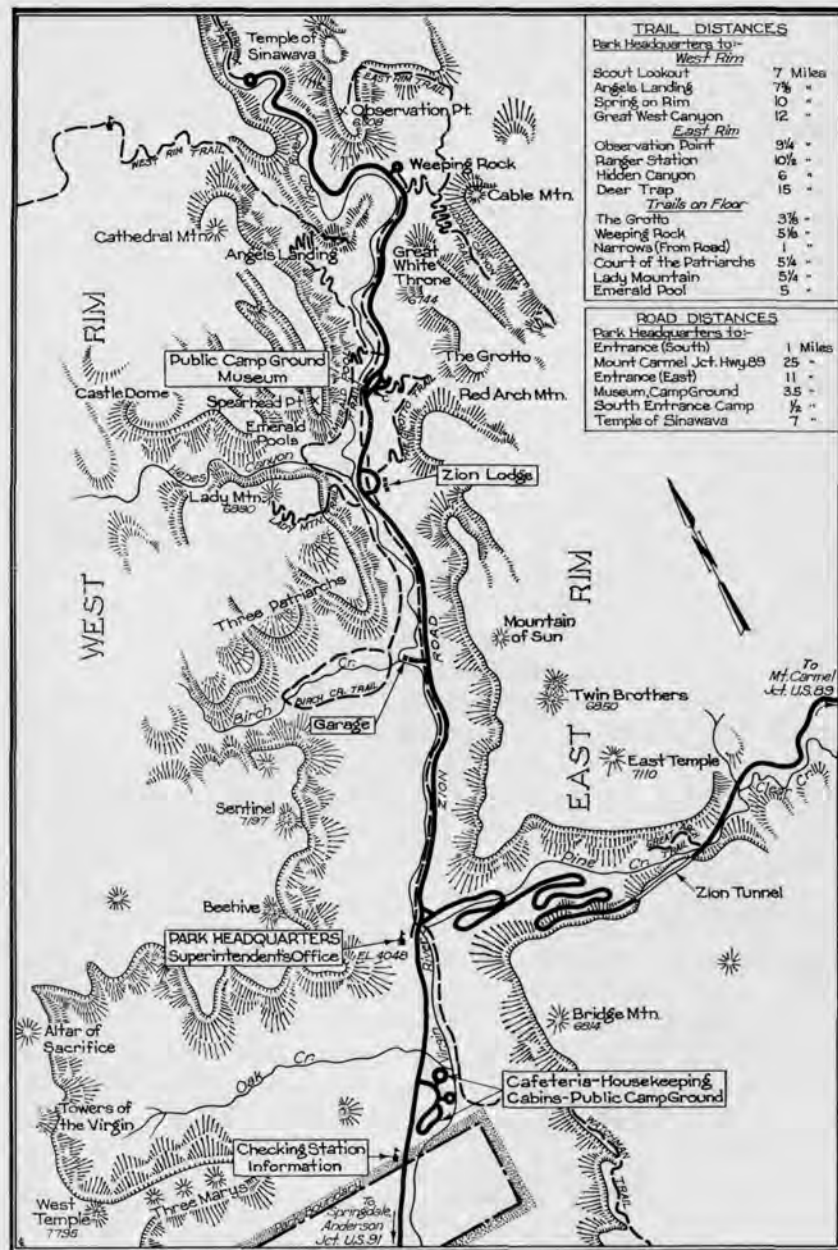
Cliff ruins have been discovered in Zion Park and its vicinity, proving that long before Little Zion gave sanctuary to the Mormons it was the home of a prehistoric people. The ruins are principally in Parunuweap Canyon, 8 miles from the roads, and are inaccessible to visitors, no roads or trails having been constructed to them. It is believed that these ancients farmed down near the creek while living up in the face of the cliffs at places that would be almost inaccessible to hostile tribes unfamiliar with the region. Many interesting artifacts have been found in these ruins.

As though it were not enough to have been a place of refuge in prehistoric and modern times, and now a thing of beauty that gladdens and thrills and inspires all who see it, this area is also a workshop of nature where new wonders are being formed; for here are natural bridges in the making. The most interesting of these is the Great Arch of Zion, located in Pine Creek Canyon, which is 720 feet long, 580 feet high, and is cut back into the supporting cliff a distance of 90 feet. A nearly level trail reaches the



Lady Mountain from canyon floor.

Grant photo.



Zion National Park.—Zion Canyon Area.

top of the Great Arch formation. The trail is one-half mile in length and begins at the east portal of Zion Tunnel.

ROADS IN THE PARK

There is a total of 20 miles of improved roads in Zion Park. One road leads from the park entrance to the Temple of Sinawava, a distance of 8 miles. No one has really seen Zion Canyon until he has made a trip over this road, and visitors driving in closed cars should make frequent stops so that they may get out and enjoy the magnificent view. The canyon is so narrow and its walls so high that a top of any kind to a car cuts off the view almost completely.

Also within the park is a stretch of the remarkable Zion-Mount Carmel Highway, 11 1/2 miles in length. Running east from the Virgin River Bridge, this road forms a connecting link between United States Highways Nos. 91 and 89. Its total length from park headquarters to Mount Carmel Junction is 25 miles.

The Zion-Mount Carmel Highway has been called "the most spectacular feat of highway construction ever undertaken", due to the stupendous construction difficulties encountered in building it. The first of these was how to get the road up over the great cliffs forming the wall of the canyon. From its start on the floor of the valley, the road zigzags up over the talus slope in Pine Creek Canyon in a series of six switch-backs. In an area little more than a mile long and half a mile wide there have been located 3 1/2 miles of roadway. At the end of this section the road enters a tunnel 5,607 feet long, where it continues to ascend on a 5 percent grade. This tunnel follows quite closely the face of the cliff, and at six selected points galleries overlooking the canyon below have been broken out. From them a colorful panorama spreads itself with vivid reds blending with the green of the foliage in startling scenic effects.

Some of the most remarkable views of southern Utah are to be found along this road. While the tunnel is the most spectacular portion, other sections are of even greater scenic interest.

Work on this project was started in October 1927, and it was completed early in the summer of 1930. The total cost of the highway was close to \$2,000,000, of which a million and a half was spent on the park section. That portion outside the park was built under Federal aid in cooperation with the State.

DISTANCE IN MILES ON MAIN ROAD FROM PARK SOUTH ENTRANCE TO POINTS OF INTEREST

Read down	Read up
0.0 Zion National Park south boundary line.....	8.0
.1 Checking station.....	7.9

DISTANCE IN MILES ON MAIN ROAD FROM PARK SOUTH ENTRANCE TO POINTS OF INTEREST—continued

<i>Read down</i>	<i>Read up</i>
0.6 Cafeteria and cabin area.....	7.4
.6 South Entrance Public Camp Ground.....	7.5
.6 Oak Creek.....	7.4
.8 West Temple, Altar of Sacrifice, on west side.....	7.2
1.0 Bridge Mountain on east.....	7.0
1.3 Park headquarters.....	6.7
1.5 Virgin River Bridge and Y.....	6.5
3.2 Court of the Patriarchs; garage.....	4.8
4.2 Zion Lodge.....	3.8
4.5 Emerald Pool Canyon on west.....	3.5
4.8 Spear Head Point.....	3.2
5.0 Museum and Grotto Camp Ground.....	3.0
(Stop and see collection of plants, animals, historical records, etc., and secure information.)	
5.5 Angels Landing.....	2.5
5.9 The Great White Throne.....	2.1
6.2 East Rim Horse Trail and Weeping Rock Trail (parking space for cars)....	1.8
6.5 The Great Organ, below road.....	1.5
6.8 The Great White Throne, looking south through saddle.....	1.2
7.9 Sphinx on Altar in the Temple.....	.1
8.0 Temple of Sinawava and end of road.....	0.0
(Short lecture given here each morning at 9 and each afternoon about 3:15, by the park naturalist, followed by a guide trip to The Narrows, a hike of 1 mile each way.)	

ROAD DISTANCES FROM ZION LODGE (ELEVATION 4,276 FEET) TO POINTS IN PARK

	<i>Miles</i>
Entrance, south, elevation 4,048 feet.....	4
Mount Carmel Junction in Zion Park.....	3
Mount Carmel Junction on Highway No. 89.....	28
Entrance, east.....	14
Museum and Grotto Camp Ground, Zion, elevation 4,297 feet.....	.5
South Entrance Camp.....	3.5
Temple of Sinawava.....	4

ROAD DISTANCES FROM ZION LODGE TO POINTS OUTSIDE PARK

Bryce Canyon National Park, elevation 8,000 feet.....	91
Kanab, Utah, elevation 4,925 feet.....	47
Grand Canyon National Park, North Rim, elevation 8,153 feet.....	128
Pipe Spring National Monument, elevation 5,000 feet.....	53.5
Cedar Breaks National Monument, elevation 10,400 feet.....	89
Cedar City, elevation 5,840 feet.....	63
Salt Lake City, Utah.....	329
St. George, Utah.....	52
Las Vegas, Nev.....	181
Los Angeles, Calif.....	490

THE TRAIL SYSTEM

Approximately 26 miles of trails lead to the more important sections of the park which are not reached by roads. These trails are well maintained and can be used at all seasons of the year, with the exception of those to the rims of the canyon which are closed by snow during the winter months.

Two major horseback trails lead to the East and West Rims, so that the canyon may be viewed from both the top and the bottom. Opinion differs with individuals whether Zion is better seen from the valley or the rim. To appreciate fully its majesty of form and its marvelous coloring, it should be seen from both levels.

The West Rim Trail leaves the canyon floor at the foot of Angels Landing opposite the Grotto Camp Ground and is benched along a precipitous ledge of the west wall for about 600 feet into Refrigerator Canyon. It then zigzags up nearly to the level of Angels Landing and turns to the north, continuing over the colorful sandstone formation for 2 miles before making the final ascent to the rim. Coming out on top, it extends along the rim to Potato Hollow on Horse Pasture Plateau.

The trail is oil-surfaced for the first mile. The construction of this trail hewn here in the face of the almost vertical cliff, there winding through deep narrow gorges, and again coming out on the top of bare rock ledges, is both unique and daring. From the rim one looks down, not only on Zion Canyon with its interesting peaks and wonderful coloring, but into the broken wilderness of the Great West Canyon similar to and at the same time different from the former. The view, with these great colorful gorges as a foreground, extends to the horizon in all directions, and covers parts of three States—Utah, Arizona, and Nevada. To the north, rising step on step, are the Cedar and Parowan Mountains, flanked by the Pink Cliffs. Before and below one to the west is spread in rugged grandeur the great west side of Zion National Park; to the south and east another panorama, unequalled for color and ruggedness; and to the south, far in the distance, the mighty Buckskin Range that forms the backbone of the Kaibab Plateau, through which the Grand Canyon has been cut.

The East Rim Trail leaves the canyon floor at the foot of Cable Mountain and ascends its north flank. Wonderful views of Zion Canyon are obtained from various points on this trail, but the finest, that from Observation Point, is reserved for the last. From this point one can see the Kaibab Forest on the North Rim of the Grand Canyon, Cedar Mountain, where Cedar Breaks is located, and the Virgin River and the settlements along Dixie Valley as far as St. George, Utah, 55 miles away.

Branching off from the East Rim Trail is another route which may be followed to an area on the East Rim known as "the Deer Trap." This is a long promontory extending far out into the canyon from which the finest views of Zion Canyon and Clear Creek Canyon, through which the Zion-Mount Carmel Highway runs, may be had.

The main East and West Rim Trails are of a very high standard of construction and are absolutely safe. Each has a minimum width of 5 feet. The Deer Trap branch is much more difficult.

Another saddle-horse trail extends up Birch Creek Canyon, the return route being on top of the first rock bench.

For the venturesome, a 2-mile ride in The Narrows offers special thrills, but this trip should not be made without a guide.

TRAIL DISTANCES FROM ZION LODGE TO POINTS IN PARK

	Miles	Time required
<i>West Rim</i>		
Scout Lookout.....	4	½ day.
Angels Landing.....	4½	Do.
Spring on Rim.....	7	1 day.
Great West Canyon.....	9	Do.
<i>East Rim</i>		
Observation Point (elevation, 6,508 feet).....	6¼	Do.
Ranger station.....	7½	Do.
Hidden Canyon.....	3	½ day.
Deer Trap.....	12	1 day. ¹
Junction of road at Esplins Ranch.....	14	Do.
<i>Trails on Floor</i>		
The Grotto.....	¾	1 hour.
Weeping Rock.....	2½	2 hours.
Narrows (from road).....	1	Do. ²
Court of the Patriarchs.....	2¼	½ day.
Lady Mountain.....	2¼	5 hours.
Emerald Pool.....	2	3 hours.

¹ Poor trail.

² With naturalist.

FOOTPATHS

In addition to these trails there are numerous foot trails at different levels in the canyon. One of these footpaths has been constructed to the summit of Lady Mountain, the highest accessible point on the West Rim. The view from the top is well worth the effort necessary to make the ascent, being similar to that from the end of the West Rim Trail. The trail itself is

unique and provides thrills for even experienced climbers. One thousand four hundred steps have been cut in the solid rock along this trail, and 2,000 feet of cable is used to steady the climber.

A foot trail has been built to the top of Angels Landing, which stands about in the center of the canyon floor. This trail connects with the West Rim Trail at Scout Lookout, where it makes a right-angle turn and follows along a sharp ridge with precipitous sides and comes out on top of Angels Landing. It is about two-fifths of a mile in length. Magnificent views are afforded the traveler along this trail.



De luxe cabins, Zion Lodge.

Another footpath, built close under the foot of the cliffs forming the east wall, leads from the public campgrounds to the grotto. A similar path on the west side of the canyon offers a delightful afternoon's walk to Emerald Pool. The trails on the west side are reached by two suspension footbridges crossing the river. One of these bridges is near Zion Lodge and the other near the Grotto Camp Ground.

A foot trail, branching off from the main East Rim Trail about a half mile from its start, leads into Hidden Canyon, a narrow gorge behind the Great White Throne. The walls of this canyon rise almost 2,000 feet vertically from a creek bed only a few feet wide, and form one of the many interesting features of the park.

The most popular foot trail in the park, however, is the one extending a distance of 1 mile up the canyon from the end of the road at the Temple of Sinawava to the beginning of The Narrows. The trail is paved with asphalt macadam. Practically all other foot trails in the canyon are for the more strenuous hiker, but its pavement and easy grades adapt The Narrows Trail to use by everyone.

ELEVATIONS OF POINTS OF INTEREST IN ZION CANYON

Name	Altitude	Height above canyon floor
	<i>Feet</i>	<i>Feet</i>
West Temple.....	7,795	3,805
The Sentinel.....	7,157	3,050
East Temple.....	7,110	3,002
Bridge Mountain.....	6,814	2,821
The Watchman.....	6,555	2,713
Three Patriarchs:		
West.....	6,990	2,741
Middle.....	6,825	2,576
East.....	6,831	2,582
Lady Mountain.....	6,940	2,664
Castle Dome.....	6,819	2,543
Great White Throne.....	6,744	2,447
Angels Landing.....	5,785	1,425
Observation Point (end East Rim Trail).....	6,508	2,148
Mountain of Mystery.....	6,545	2,076
Mountain-of-the-Sun.....	6,723	2,521
West end Zion Park Tunnel.....	4,839	791
East end Zion Park Tunnel.....	5,114	1,066
Park checking station.....	4,048
Zion Lodge.....	4,276
Public auto camp.....	4,297
Temple of Sinawava.....	4,411
End Narrows foot trail.....	4,471

HOW TO REACH ZION

Zion National Park is reached from either Cedar City, Utah, on the Union Pacific System, or Marysvale, Utah, on the Denver & Rio Grande Western Railroad. From these points motor-bus service is provided by the Utah Parks Co.



East Temple, Zion Park.

Scovon photo.

Motorists along the Arrowhead Trail, U. S. No. 91, from Los Angeles to Salt Lake City can reach Zion Park by turning off the main road at Andersons Ranch and going east. Motorists making the approach via the Grand Canyon Highway, United States Highway No. 89, should turn west at Mount Carmel Junction and enter the park at the east entrance via the Zion-Mount Carmel Highway. Road construction in recent years has improved all main and connecting highways to a high standard, most of the roads being hard surfaced.

High-speed de luxe airplane service from all point in the United States to Salt Lake City is available through United Air Lines. Service is also available from Los Angeles by General Air Lines, using the fast and comfortable Douglas planes, with stops at Las Vegas, Nev., and Salt Lake City, Utah. For persons of limited time this service offers a splendid opportunity to visit these parks.

ADMINISTRATION

The representative of the National Park Service in immediate charge of Zion National Park is the superintendent, Preston P. Patraw, whose post-office address is Zion National Park, Utah. All complaints and suggestions regarding service in the park should be addressed to the superintendent.

PARK SEASON

The roads to and within Zion National Park are open, and accommodations are available the entire year. Zion Lodge is open from May 30 to September 30, but the South Entrance Camp, with cafeteria, store, and housekeeping cabins, is operated throughout the year, as is the new South Entrance Free Camp Ground. The Grotto Camp Ground is open from May 1 to November 1.

The four seasons of the year are unusually distinctive in the park, each one being different from the others and affording wonderful, changing spectacles.

During the winter when the levels and slopes are under a blanket of snow, the colored cliffs stand out in startling contrast against the white. In the spring when the snows on the higher elevations are melting, many foaming-white waterfalls are to be seen cascading over the cliff faces or falling sheer from high overhanging niches. Some of the waterfalls have a sheer drop of nearly a thousand feet. The fall months of the year bring the most delightful weather; clear, sparkling days are the rule, the sky is deepest blue, and the deciduous trees of the valley floor and slopes take on variegated coloring. The blue sky, the whites, bluffs, and reds of the cliffs, and the yellows and reds of the deciduous foliage create a truly marvelous color effect.

NATURALIST SERVICE

SUMMER SEASON

Ranger naturalists conduct parties into the field for nature study twice daily, leaving the Temple of Sinawava at 9 a. m. and 3:15 p. m. Evening lectures on the natural features of the park are also given daily at the public auto camp and Zion Lodge by members of the educational division.

The National Park Service has established an official information office and museum at the Grotto Camp Ground. Here park visitors may secure information and publications regarding this and other national parks free of charge. A collection of geological, animal, insect, reptile, and plant-life specimens is on exhibit in this building.

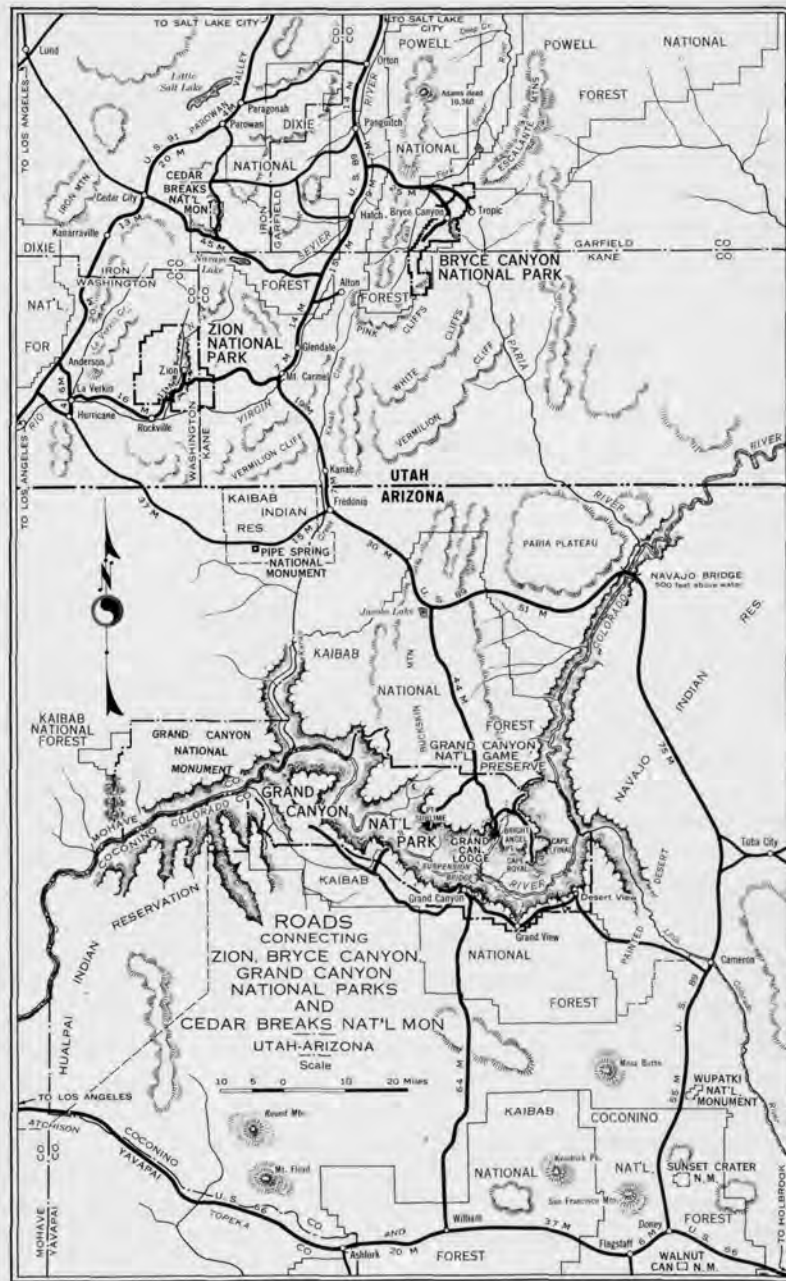
All park visitors are urged to avail themselves of this educational service. Schedules of nature guide trips, lectures, and other activities are posted in public places throughout the park. The educational service is furnished free of charge by the Government, and all information given out is authentic.

BRYCE CANYON NATIONAL PARK

Bryce Canyon National Park was established September 15, 1928, under authority of the acts of Congress approved June 7, 1924, and February 25, 1928. Under the former act authority was given for the creation of the Utah National Park, to take in the area then included in the Bryce Canyon National Monument, upon the fulfillment of certain conditions. Before these conditions were met Congress passed its 1928 act changing the name of the park to Bryce Canyon National Park and nearly doubling the area contained in the monument. The canyon had been reserved as the Bryce Canyon National Monument by presidential proclamation June 8, 1923, pending consideration for national park status and the passing of the necessary legislation to effect this.

Under congressional authority of June 15, 1930, President Hoover by proclamations dated January 5, 1931, and May 4, 1931, added 22,320 acres to the park. The total area is now 35,240 acres, or 55 square miles.

The delay in bringing the park into the system after the passage of the first act was the condition it contained that it would not become effective until all of the private land holdings within the proposed park boundaries had been deeded to the Government. The transfer was finally accomplished on September 15, 1928, and the park formally dedicated to public use the following day. The details of the transactions by which these holdings were turned over to the Government form a very interesting chapter in the history of conservation.



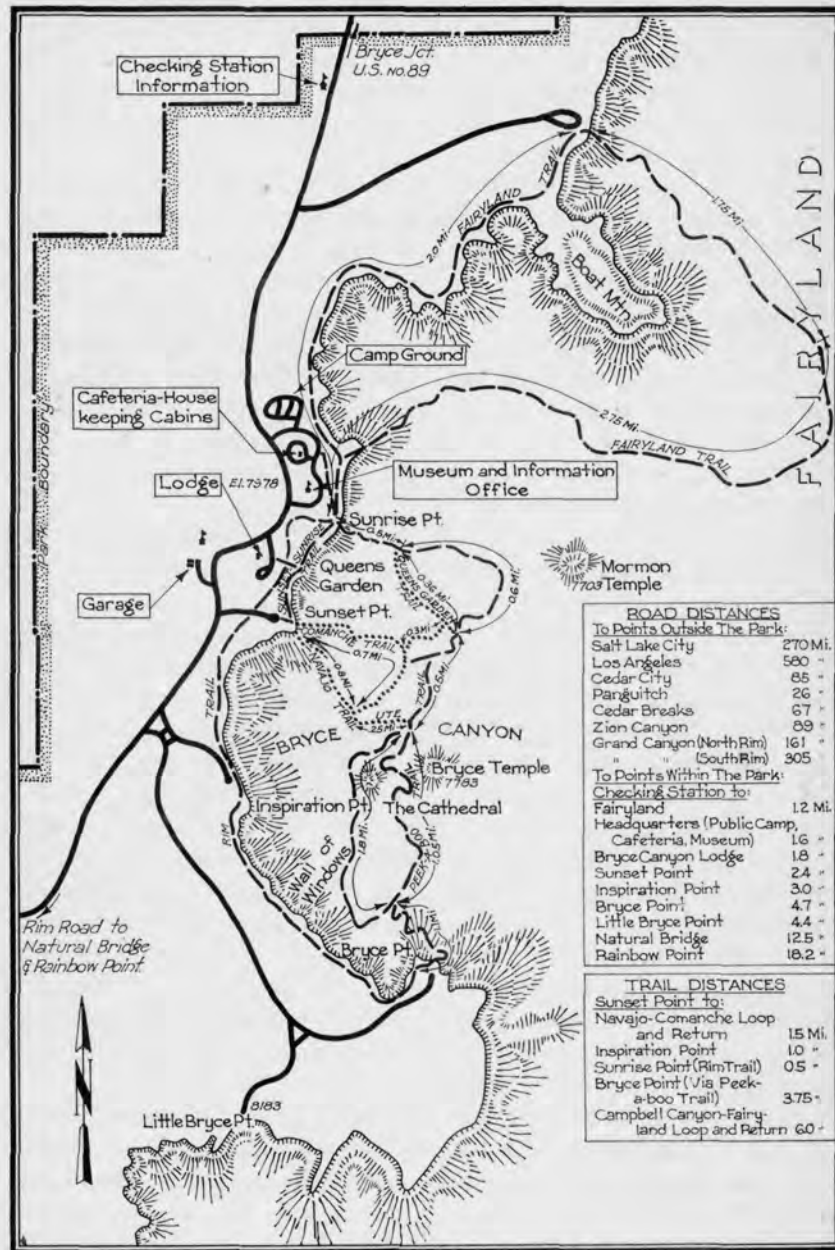
Bryce Canyon National Park includes some of the most interesting exposures of the Pink Cliff formation. The rocks which are present in this formation are among the most colorful of any forming the earth's crust. The major beauty spots of the area are found where forces of erosion have cut back into the plateau, forming amphitheatres or wide canyons filled with pinnacles and grotesque forms.

The Yellow Creek, Sheep Creek, and Willis Creek sections are all magnificent and have won high praise from those who have seen them. Bryce Canyon, however, is the most spectacular and best known of all the wonders, and, due to the fact that the original park area included only this one canyon, the park takes its name from this feature. The canyon was named after Ebenezer Bryce, a Mormon pioneer, who was the first to settle near its mouth in the early seventies, and not after the famous English statesman.

In reality Bryce is not a canyon; rather it is a great horseshoe-shaped bowl or amphitheater cut by erosion into the Paunsaugunt Plateau and extending down a thousand feet through its pink and white marly limestone. The character of the area is well indicated by the Paiute Indian name, "Unka-timpe-wa-wince-pock-ich", which is translated as, "red rocks standing like men in a bowl-shaped canyon." The amphitheater is 3 miles in length and about 2 miles wide, and is filled to the brim with myriads of fantastic figures cut by weathering influences, chiefly by running water, wind, and changes in temperature. Ages have been consumed in their making and even now they are undergoing change, probably as rapidly as at any other time. The older forms are gradually crumbling, and new ones are slowly appearing from the freshly attacked walls. That the rim of the canyon is gradually receding is shown by the large number of trees that have been undermined recently, and, now, either are precipitated into the canyon below or rest insecurely near the top of the cliffs.

Words can never convey an adequate conception of the fantasy and beauty of Bryce Canyon. It must be seen to be completely realized. From the countless variety of forms in the canyon it would seem that the imagination of some titanic sculptor had run riot and cut into the soft limestone every figure and shape known to or dreamed of by man. Domes, spires, and temples predominate, decorated in all the colors of the spectrum but with reds, pinks, and creams predominating.

A series of fine horseback and foot trails have been built in the interesting area under the rim. No visitor should leave until he has had close-up views of the formations. Trails lead into Queen's Garden, the Silent City, Fairyland, Wall Street, Peek-a-boo Canyon, and other more remote points, each with its well-named peculiar and distinctive forms. Trails are all easily



Portion of Bryce Canyon National Park.



Horseback party on East Rim Trail.

Scovyn photo.

traveled; horseback trips can be arranged in half- or full-day units to suit the individual.

The National Park Service has completed a fine road, which follows the high rim the full length of the park plateau, with short spurs to scenic viewpoints. Twenty miles of paved road now lead to Inspiration Point, Bryce Point, Little Bryce, the Natural Bridge, and Rainbow Point, at the plateau's end. A Government ranger naturalist conducts an auto caravan over this route every afternoon during the summer season, leaving Bryce Canyon Lodge at 2:30 o'clock.

Each evening an illustrated lecture is given at Bryce Canyon Lodge by a member of the staff, who also conducts a short hiking trip into Bryce Canyon, leaving Sunset Point every morning of the summer season at 9 o'clock.

Visitors are urged to use these facilities which are provided free of charge by the Government.

GENERAL INFORMATION

Bryce Canyon National Park is administered as a unit with Zion National Park and Cedar Breaks National Monument. The representative of the National Park Service in immediate charge is the superintendent of Zion National Park, Preston P. Patraw, whose post-office address is Zion National Park, Utah. All complaints and suggestions regarding service in the park should be addressed to him.

Information concerning the park is available at the ranger station located near the public auto camp. Booklets regarding the national parks are also available there.

The season at Bryce Canyon depends entirely on weather conditions and the park is generally closed during the winter months. Bryce Canyon Lodge is open from May 30 to September 30, and the length of the camping season will depend on weather conditions.

For those not carrying their own equipment and desiring to visit the park after the closing dates of the lodge and camp, there are camps near the park where fairly good accommodations can be found at any time of the year.

Stop-overs on any of the tours quoted on pages 32 and 33 are permitted without additional transportation expense, the only extra cost being for meals and lodging at Bryce Canyon Lodge.

An attractive free public auto camp is maintained by the Government. Pure water is available, and sanitary conveniences have been provided. Groceries and campers' supplies may be purchased in the store at the Bryce Camp.

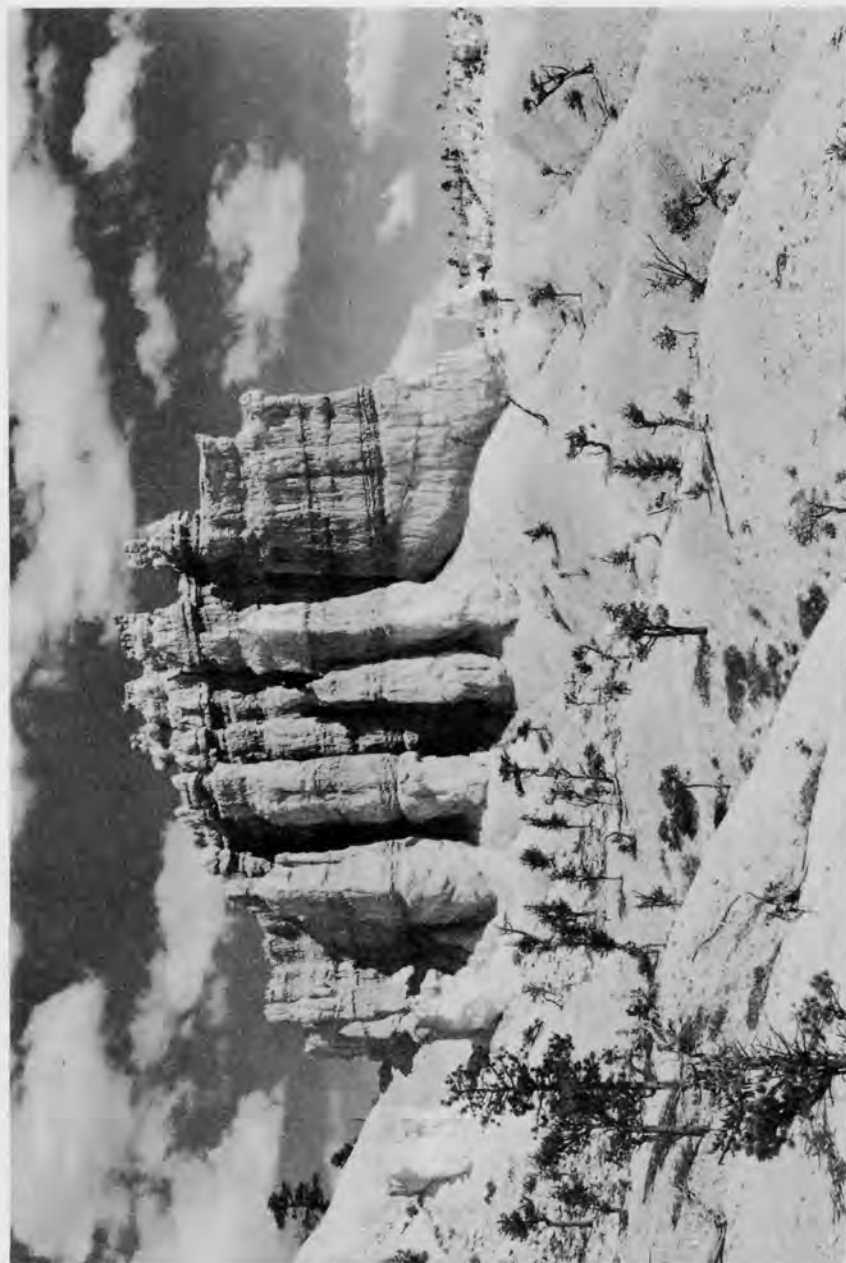
HOW TO REACH BRYCE

In order to reach Bryce private motorists should leave the main highway, United States Highway 89, 7 miles south of the town of Panguitch. Turning to the east the road follows up Red Canyon, a brilliantly colored little gorge which is often mistaken for Bryce Canyon itself. The approach to Bryce is unusual; no evidence of the canyon is visible until the visitor walks on to the rim and suddenly has revealed to him the great sight in all its breath-taking beauty.

Improved highways make Bryce Canyon Park easily accessible, except during the winter.

Travelers by rail may reach the park over the Union Pacific System from Salt Lake City to Cedar City, Utah, or Marysville, Utah, on the Denver and Rio Grande Western Railroad, thence by motor bus to Bryce.

High-speed de luxe airplane service from all points in the United States to Salt Lake City is available through United Air Lines. Service is also available from Los Angeles by General Air Lines, using the fast and comfortable Douglas planes, with stops at Las Vegas, Nev., and Salt Lake City, Utah.



Grant photo.

The Fairy Temple, Bryce Canyon.



Inspiration Point from a turn in the trail.

Scoyen photo.

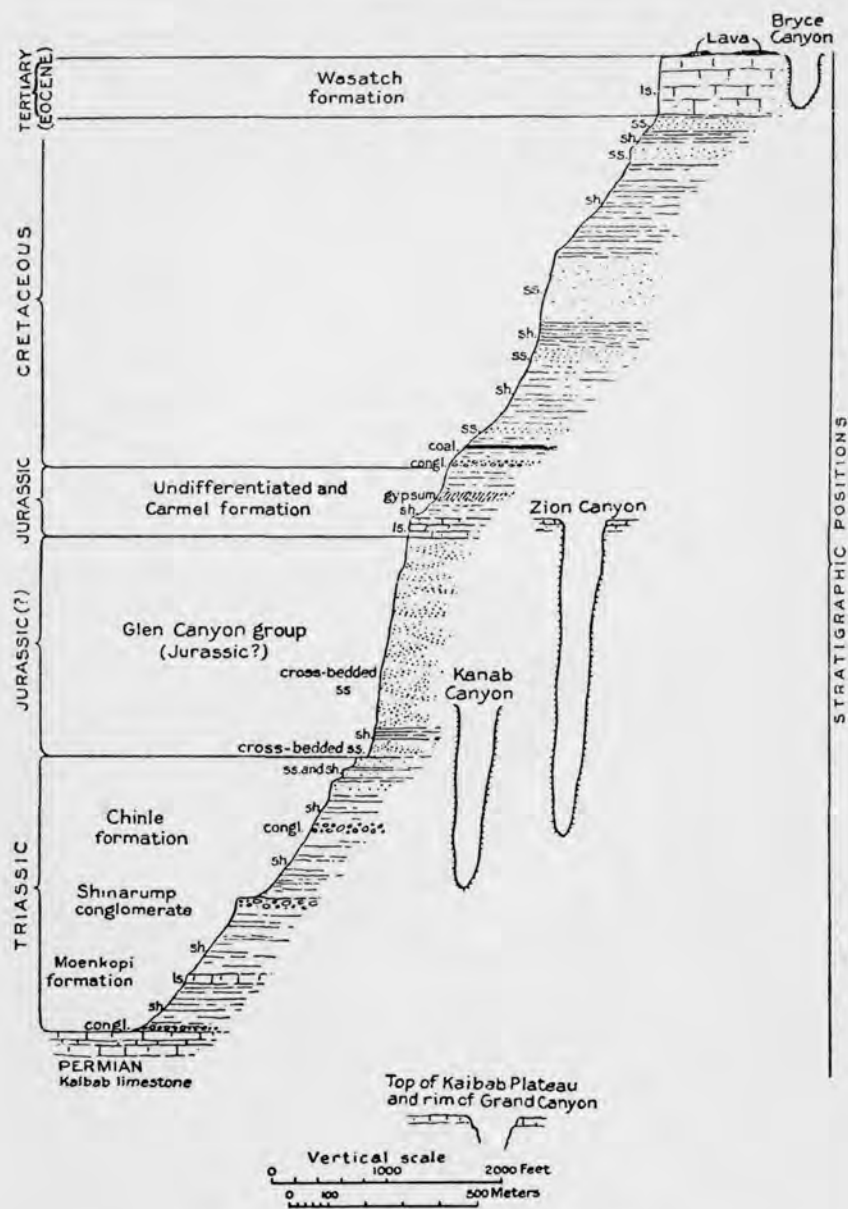
GENERAL INFORMATION RELATING TO
GEOLOGY OF ZION AND BRYCE CANYON NATIONAL PARKS ¹

REGIONAL FEATURES

In Zion and Bryce Canyon National Parks the type of scenery peculiar to the plateaus of southern Utah and northern Arizona attains its most complete expression. Layer upon layer of shales and sandstone have been carved into architectural forms, astonishingly alike for size and color. The long stretches of even skyline seen on approaching the parks from Cedar City (west), Panguitch (north), and Grand Canyon (south) give an impression of extensive flat surfaces that terminate in lines of cliffs, but viewpoints within the parks reveal a ruggedness possessed by few other regions. The canyons are so narrow, so deep, and so thickly interlaced, and the edges of the strata so continuously exposed that the region seems made up of gorges, cliffs, and mesas intimately associated with a marvelous variety of minor erosion forms. The parks might be considered as mountainous regions in which departures of many thousand feet from a general surface are downward rather than upward.

The canyons and adjoining terraces are spectacular illustrations of erosion. They show with diagrammatic clearness the work of running water, rain, frost, and wind, of ground water and chemical agencies active throughout a long period of time. The horizontal tables and benches, broken by vertical lines that in distant view appear to dominate the landscape, are normal features of erosion of plateau lands in an arid climate. The tabular forms are the edges and surfaces of hard strata from which softer layers have been stripped. The vertical lines mark the position of fractures (joints)—lines of weakness which erosion enlarges into grooves and miniature canyons. As they entrench themselves in horizontal layers of rock that vary in resistance to erosion, the master streams and their tributaries are developing stairlike profiles on their enclosing walls. Cliffs in resistant rocks and slopes in weak rock constitute risers and treads that vary in steepness and height with the thickness of the strata involved. Thus near the south entrance to Zion Park the edge of a layer of hard conglomerate is a vertical cliff, its top a platform. Above this platform a long slope of shales, broken by many benches developed in hard beds, extends upward to the great cliff faces of West Temple and the Watchman. In front of Zion Lodge a slope of weak shales leads upwards to a cliff of resistant sandstone above which a slope of shale extends to the vertical wall of Lady Mountain. In Bryce Canyon the rim road is on the highest

¹ By Dr. H. E. Gregory, U. S. Geological Survey.



Generalized section of sediments in Zion and Bryce Canyons.
(Note XVI International Geographical Congress, Guide Book 18, 1932. H. E. Gregory.)

tread of a giant rock stairway that as viewed from Rainbow Point leads downward in steps 30 to 400 feet high to the flat lands 3,000 feet below.

The streams at work in the parks, though relatively small, have steep gradients, including rapids and waterfalls, and are supplied with disintegrated rock material swept from the ledges by torrential rains about as fast as formed. They are therefore powerful agents of erosion, especially in times of flood. The fresh, sharp, angular profile of mesas, ridges, and canyon walls and the extensive areas of bare rock are maintained by the rapid down-cutting and prompt removal of rock waste. The resulting land forms reflect the aridity and the topographic youth of southern Utah and contrast strongly with the rounded hills, the broad valleys, the plant-covered slopes, and the deep soils of more humid regions.

GEOLOGIC HISTORY

A large part of geologic history is revealed in the canyon walls of Zion and Bryce Canyon National Parks. Just as Grand Canyon is the best known record of ancient geologic history, Zion Canyon records most clearly the events of medieval geological time, and Bryce reveals much of modern geologic history. The story of Zion begins where that of Grand Canyon ends, and ends where Bryce begins. The rocks exposed in these three national parks incorporate the records of a billion years.

The consolidated sedimentary rocks exposed within Zion and Bryce and in the region that lies between these national parks are assigned by the geologists to the Triassic, Jurassic, and Cretaceous periods of Mesozoic time ("middle age") and to the Eocene period of Tertiary time. Rocks of Permian age underlie the Triassic near the southwest border of Zion, and lavas, gravels, and lake beds overlie the Tertiary in several places. A study of these rocks shows that the geography, the plant life, and the animal life of each of these periods were unlike those of previous periods or of later periods; that during the last 200,000,000 years the region comprising the parks has witnessed many changes in landscape and climate. At times it was covered by the sea, at other times broad rivers traversed its surface, and at still other times it was swept by desert winds. Most of the rocks were laid down by water as gravel, sand, mud, and limy ooze. They have been converted into solid rock by the weight of layers above them and by lime, silica, and the iron that cement their grains. Embedded in the rocks are fossil sea shells, fish, trees, snails, and the bones and tracks of land animals that sought their food on flood plains, in forests, or among sand dunes. The most conspicuous remains are those of dinosaurs—huge reptiles that so dominated the life of their time that the Mesozoic is known as the "age of dinosaurs."

For convenience of study and description, the rock strata that constitute geologic eras are subdivided into groups known as "formations" which differ from each other in such features as color, mineral content, thickness, and areal extent of individual layers, and kinds of fossils. Thus, in the Zion Canyon region the Triassic period includes the Moenkopi, the Shinarump, and the Chinle formations; the Jurassic period, the Navajo, the Carmel, and the Morrison formations at Bryce Canyon; the Cretaceous period includes the Dakota, the Tropic, the Wahweap, the Straight Cliffs, the Kaiparowits formations; and the Tertiary period, the Wasatch formation (Pink Cliffs). Though conspicuously displayed in Zion and Bryce Canyon National Parks and their immediate vicinity, none of the formations listed is confined to the parks. Most of them are represented elsewhere in Utah, also in Nevada, Arizona, New Mexico, and Colorado.

The conditions under which these widespread formations were laid down are shown by the character of the bedding fossils and the kinds of materials of which they are made. Each formation reveals in detail the physical geography, the climate, the fauna, and the flora of the time of its origin.

The enormous pile of rocks that constitute the formations of Triassic, Jurassic, Cretaceous, and Tertiary periods were not continuously deposited. At times the sea bottoms, the low-lying plains, and the inland basins which served as resting places for stream-borne material were uplifted and erosion replaced deposition; the consolidated rocks laid down in one period were worn into sands, muds, and gravels, and redistributed to form rocks of a later period. At other times the region that includes Zion and Bryce Canyon National Parks was below sea level and sediments were deposited. The end of this periodic uplift and subsidence was the final retreat of the sea in the Cretaceous and the deposition in Tertiary times of sandy limestone along streams and in lakes of a new-made land not far above sea level.

The accumulation of some 8,000 feet of strata of Mesozoic and Tertiary age, mostly sandstones, on top of 4,000 feet of Paleozoic beds exposed in Grand Canyon may be considered the first of three major events in the development of the marvelous landscapes of the Zion-Bryce region; it provided the material from which the huge scenic features were later carved. The second event was a regional uplift which elevated the previously low-lying top beds of the series (Wasatch, Pink Cliffs) to a height of nearly 2 miles above sea level. Essentially Zion Park is a part of an enormous block, broken from the adjoining area of the earth's crust by faults. The western border of this block, extending from central Utah south across Grand Canyon, is the great earth fracture known as the Hurricane fault. Part of the wall developed by this fault remains as the Hurricane Cliffs

crossed by the Highway from Zion Canyon to Toquerville and extending northward to Cedar City. The eastern border of the block is the Sevier fault along the cliffs east of Mount Carmel, Glendale, and Hatch. Bryce Canyon National Park likewise is part of a block bounded on the west by the Sevier fault and on the east by the Paunsaugunt fault which raised the Wasatch beds in Table Cliff Plateau high above those at Inspiration Point. The uplift of those great earth blocks whose surfaces were previously near sea level was the third major event in the history of the parks; it provided conditions favorable for the vigorous erosion still in process. Before the uplift the streams were doing little work. They were flowing in broad shallow valleys of gentle gradient like those on the plateau surfaces near Cedar Breaks and east of Red Canyon. In consequence of the uplift they became strong swift streams that were able to cut deeply into the underlying rock and carry to the Virgin and the Paria and on to the Colorado and the Pacific all the land waste available. In the process of carving the former high lands the streams have removed many cubic miles of rocks which if replaced would fill the present canyons and build up their bordering lands to the level of the lofty Markagunt and Paunsaugunt plateaus. The gigantic features of Zion and Bryce Canyon National Parks mark a stage in the process of erosion that began long ago and which if continued without interruption will convert the present rugged landscape into plains near sea level.

DISTINCTIVE FEATURES OF ZION CANYON

The crowning glory of Zion Park is Zion Canyon, the best known example of a deep, narrow, vertically walled chasm readily accessible for observation. Zion Canyon through much of its course is about as deep as it is wide, though in the narrows it is 2,000 feet deep and less than 50 feet wide. On its floor is an automobile highway, continued upstream by trails.

Zion Canyon was made by the north fork of Virgin River, the stream which now flows through it. It is not a crack in the earth's crust or a gorge scooped out by glacier ice and conveniently placed to serve as a runway for rain that falls on the surrounding highlands. Before the Virgin began to flow there was no canyon. During the long period since its course was established the river has slowly deepened its channel and extended it headwards until its original shallow valley has become a long narrow trench between towering walls. Though now deeply entrenched in the rocks of the Kolob Plateau, the river maintains substantially its original pattern. It flows in the same direction, and the curves and straight stretches of its present walls duplicate the meanders of the stream when it flowed some 5,000 feet above its present level.

For many thousand years the Virgin and its tributaries have been busy with two tasks; namely, deepening their channels and transporting material weathered from the canyon walls. At present the Virgin carries away from the park each year about 3,000,000 tons of ground-up rock at an average rate of 180 carloads a day. For such effective work the many-branched Virgin seems incompetent. But though relatively small in volume, this stream system falls nearly 70 feet to the mile (nine times the fall of the Colorado in Grand Canyon) and is at work on rock, chiefly sandstone, that disintegrates with exceptional ease. Many tributaries are on bare rock, little retarded by vegetation, and are fed by short but violent showers. Consequently, they are brought to flood stage not only seasonally, but with each period of heavy rainfall. Because they flow only in response to showers, the smaller tributaries are unable to cut channels as deep as the perennial master stream. From their mouths high on the canyon walls, they descend as waterfalls.

Though they are primarily responsible for the depth and position of the canyons, the Virgin itself and the other streams heading on the adjoining plateaus are only incidentally concerned with the detailed carving that makes Zion Canyon unique. The walls are retreating in consequence of ground water which emerges as springs and seeps, of rain which falls directly into the canyon, of water that spills over the rim, of frost and tree roots which pry off slabs, and of chemical agencies which weaken the rock by the removal of the cement about individual grains. Continuous sapping at or near the contact of the porous Navajo sandstone and the more impervious Chinle shale has developed alcoves in the canyon walls at Wiley Retreat, the Stadium, Weeping Rock, Emerald Pool, Birch Creek, Oak Creek, and elsewhere.

In the development of the amazing variety of architectural features on the canyon walls, the composition and structure of the Navajo formation have served as controlling guides. In addition to the bedding planes—horizontal, oblique, and curved surfaces—the Navajo has developed parting planes (joints) that extend downward for short distances or pass through the formation from top to bottom. These bedding planes and joints determine the shape and size of the blocks that spall off from the towering cliff walls. Blocks embedded in the cliffs, blocks surrounded by open joints, blocks partly detached, blocks that rest precariously on some temporary support, and blocks that have fallen to the talus below indicate steps in the retreat of the canyon walls. Unlike that of humid regions, this type of erosion progresses from below upward; it causes the canyon to widen and still retain its vertical walls.

DISTINCTIVE FEATURES OF BRYCE CANYON

In its regional setting Bryce Canyon National Park is the southeastern border of the extensive Paunsaugunt Plateau. It comprises two areas of strongly contrasted topography that meet in a line that marks the rim of the plateau and the top of its bordering cliffs. Back from the rim the plateau surface on which the park buildings and the automobile roads have been constructed is generally flat land traversed by broad, shallow valleys in which erosion is inconspicuous. Below the rim erosion has produced a region of remarkable ruggedness. It might naturally be supposed that the beautiful amphitheater at the head of Bryce Canyon had been carved by waters pouring down from the plateau above. But the plateau streams contribute nothing; they flow away from the rim. The chief sculpturing agents are the rain and snow that fall directly into the canyon. In producing the amazing variety of erosion features the streams have been aided by frost that pries fragments from the cliffs and by chemical agencies that decompose the rock and supply its vivid color.

The development of the park landscape was made possible by movements within the earth's crust which brought originally low-lying strata to an altitude exceeding 8,000 feet. Streamways on the flat top of this uplifted block were little affected, but with greatly steepened gradients streams around the borders of the newly made plateau became powerful. The Paria and its swiftly flowing tributaries have cut deeply into the face of the Paunsaugunt and carried billions of tons of ground-up rock to the Colorado. At the present time erosion by Bryce Creek, Yellow Creek, Willis Creek, Podunk Creek, and many smaller streams, is causing the plateau face to retreat northwestward, and these streams are taking into their drainage areas channels that formerly carried waters northward to Sevier River.

The drab colored landscape along the southeast border of the park has been developed in alternating beds of shale, coal, and sandstone (Cretaceous age); in the resulting erosion forms, slopes, mounds, rounded ridges, and valleys with inclined or steplike sides predominate. The brightly colored rocks that form the topmost cliffs and terminate abruptly in such headlands as Steamboat Mountain, Bryce Points, and Rainbow Point are resistant limestones of Tertiary age (Wasatch formation). They erode as vertical walls (Pink Cliffs) which weathering has developed into the astonishing display of architectural forms that make Bryce Canyon distinctive.

WILDLIFE

Visitors to Zion and Bryce Canyon National Parks will be surprised at the interesting and varied forms of wildlife to be found there. The

common large game animals are the Rocky Mountain mule deer. They are quite numerous and can often be seen by park guests, though in the summer they usually range the rims of the canyons. Bighorn, present in Zion, are not often seen except in winter, when they are driven from the higher elevations by cold and snow. At times they have been seen in bands numbering up to 18 along the Zion-Mount Carmel Highway, although recent observations indicate that they are less numerous than formerly. Signs of mountain lion are often found in the park and occasionally a glimpse of the animal is caught. Coyotes are fairly numerous, but are more often heard than seen. Bobcat tracks are frequently observed in mud or snow; the cats, however, are rarely visible. Many small animals, such as porcupines, marmots, chipmunks, and gray squirrels, are abundant and can be seen almost everywhere.

Bird life is interesting and the visitor will find most of the arid or semi-arid types in the park, together with a few forms typical of areas of heavier rainfall. The rare water ouzel can be numbered among the latter. Probably the most absorbing of all to those who are acquainted with them are the many types of lizards, such as the scaly lizard, the Bailey collared lizard, and the rare leopard lizard.

ACCOMMODATIONS AND EXPENSES

Attractive lodges are operated by Utah Parks Co. in both Zion and Bryce Canyon Parks. They consist of central buildings and cabins of "standard" and "de luxe" types. The latter have private bath, porch, and fireplace. De luxe cabin rates, European plan, are \$6 per day for 1 person, \$8.50 for 2, and \$10.50 for 3 persons, and the standard lodge cabin rates are \$2 per day for 1 person and \$3 per day for 2 persons. A 15 percent discount is allowed for a stay of 1 week or longer. Meals in lodge dining room are table d'hôte, breakfast and luncheon \$1 each and dinner \$1.25. Children under 8 years of age are allowed half rates for meals. Zion and Bryce Canyon Lodges are open from May 30 to September 30.

Evening entertainments are provided daily in the recreation rooms at both lodges by talented student employees. Park ranger naturalists appear on these programs with illustrated lectures.

Housekeeping camps at both parks provide cafeteria, store, housekeeping cabins, and sleeping tents. For 1 or 2 persons the rates are \$2.25 in the standard housekeeping cabins, \$2 in converted housekeeping cabins, and 75 cents in sleeping tents; for 3 or 4 persons in standard housekeeping cabins, \$2.75 per day, exclusive of bedding and linen. The housekeeping cabins are electrically lighted and are equipped with double beds, cooking

stove, table, sink, shelves, and chairs. The sleeping tents have 2 military cots. Bryce Camp is open from about May 30 to September 30. Zion Camp is operated throughout the year.

POST OFFICE AND COMMUNICATION SERVICE

Each lodge is provided with post office, telegraph, and long-distance telephone service. The post office address for Zion Lodge is Zion National Park, Utah, and for Bryce Canyon Lodge, Bryce Canyon National Park, Utah.

MISCELLANEOUS SERVICE

In each lodge, fountain service is available. A full line of photographs and hand-colored views of Zion and Bryce Canyon Parks is on sale, and laboratories are maintained for developing and printing pictures.

Curio stores, making a specialty of Indian handicraft, including silver work, baskets, and Navajo rugs, are operated.

Garage service, including storage, repairs, tires, batteries, gasoline, and oil is provided by the Utah Parks Co. in each park during the regular lodge season.

A registered nurse is on duty at each lodge when it is in operation.

An attractive swimming pool is located at Zion Lodge.

In the cabin camps, food supplies may be obtained, as well as curios, post cards, etc.

PUBLIC CAMP GROUNDS

Free public camp grounds for visitors carrying their own equipment are maintained in each park. In Zion the Grotto Camp Ground is open May 1 to November 1; the South Entrance Camp Ground all year. The Bryce Public Camp Ground remains open as long as weather conditions permit. Winter conditions prevailing at this elevation of 8,000 feet normally make camping impracticable from November until the first of May.

SADDLE HORSES

Saddle horses may be hired for \$1.50 for 2 hours or less, \$3 for 4 hours or less, and \$5 for 8 hours. Escorted trips to the East or West Rim of Zion Canyon and to Bryce Canyon Natural Bridge are made daily and cost \$5 a person. Escorted half-day horseback trips to The Narrows or Angels Landing in Zion Park and into Bryce Canyon at Bryce Park cost \$3. Special guides, if available, may be obtained for \$5 a day or \$3 for a half day or less. Riding habits may be rented at the lodges.

SIDE TRIPS BY BUS

An automobile trip from Zion Lodge to the Temple of Sinawava may be made for \$1.

In Bryce Canyon Park the Rim Road trip by motor, including Bryce, Little Bryce, and Inspiration Points, Natural Bridge, and Rainbow Point costs \$3.

SPECIAL TRIPS

Motor-bus transportation to Zion National Park, the Kaibab Forest, the North Rim of the Grand Canyon, Cedar Breaks, and Bryce Canyon is available from Cedar City, Utah, on the Union Pacific System.

The following trips and rates have been authorized, available during the period June 1 to September 25:

TOUR NO. 1

1-day tour, Cedar City to Cedar Breaks National Monument and return, automobile transportation only, per person \$7. 50
 "All-expense" tour, including transportation and two meals 9. 75

TOUR NO. 2

1-day tour, Cedar City to Zion National Park and return, automobile transportation only, per person \$10. 00
 "All-expense" tour, including transportation and two meals 12. 25
 (Operated only for minimum of 2 persons. Available all year.)

TOUR NO. 3

2-day tour, Cedar City to Bryce Canyon National Park, via Cedar Breaks National Monument and return, automobile transportation only, per person . \$15. 75
 "All-expense" tour, including transportation, meals, and lodging 22. 75

TOUR NO. 4

4-day tour, Cedar City to Cedar Breaks National Monument, Bryce Canyon National Park, Mount Carmel Highway, Zion National Park and return, automobile transportation only, per person \$21. 50
 "All-expense" tour, including transportation, meals, and lodging 35. 75

TOUR NO. 5

6-day tour, Cedar City to Cedar Breaks National Monument, Bryce Canyon National Park, Kaibab Forest, Grand Canyon National Park, Mount Carmel Highway, Zion National Park and return, automobile transportation only, per person \$35. 00
 "All-expense" tour, including transportation, meals, and lodging 58. 75

TOUR NO. 6

2-day tour, Cedar City to Grand Canyon National Park (North Rim), via Cedar Breaks National Monument, Bryce Canyon National Park, and Kaibab Forest; *one-way tour*, automobile transportation only, per person \$21. 50
 "All-expense" tour, including transportation, meals, and lodging 31. 00

TOUR NO. 7

2-day tour, Grand Canyon National Park (North Rim), to Cedar City, via Kaibab Forest, Mount Carmel Highway, and Zion National Park; *one-way tour*, automobile transportation only, per person \$21. 50
 "All-expense" tour, including transportation, meals, and lodging 31. 00

"All-expense" charges shown herein include cost of automobile transportation, also meals and sleeping accommodations at lodges en route; they do not include any meals or lodging at Cedar City except luncheon or dinner, as the case may be, on outbound trip.

For motor-bus transportation half fare will apply for children of 5 years and under 12; children under 5 years will be carried free when accompanied by parent or guardian. Arrangements must be made with the lodges for children's rates for table d'hôte meals which will be furnished children under 8 years of age at half rates.

Six-passenger touring cars may be chartered for any scheduled tour for exclusive use of parties. The rate for the exclusive use of a 6-passenger touring car is a minimum of three full fares for the respective trips plus \$17.50 per day or part thereof. Special cars may be secured for any length of time for any tour or combination of tours desired. Rates upon application at the office of the Utah Parks Co., Cedar City, Utah.

This booklet is issued once a year and rates mentioned herein may have changed slightly since issuance, but the latest rates approved by the Secretary of the Interior are on file with the superintendent and park operator.



A view of Sunrise and Sunset Points from Cathedral Ridge.

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The Watchman looks down on the checking entrance station.

Grant photo.

CEDAR BREAKS NATIONAL MONUMENT

Twenty miles east of Cedar City, within the Dixie National Forest, where the high plateau breaks away to the west, is a great amphitheater called Cedar Breaks, in the Pink Cliffs formation. The more spectacular part of the formation was created a national monument by the proclamation of President Franklin D. Roosevelt on August 22, 1933, and placed under the administration of the National Park Service. The monument embraces an area of 5,836.68 acres.

While Cedar Breaks is cut from the same geological formation as Bryce Canyon, there is a marked difference between these two scenic areas. There are not countless numbers of outstanding temples, spires, and minarets in the Cedar Breaks bowl, but Cedar Breaks is on a more gigantic scale and has a greater variety of tints. The Pink Cliffs here have a thickness of nearly 2,000 feet, and 47 different shades of color have been distinguished.

The heavily forested rim attains an altitude of 10,400 feet. The cliffs are white or orange at the top, breaking into tints of deep rose and coral. The high elevation also affords an excellent distant view of mountains and desert.

Still another interest that the area offers is its alpine flora. Large Engelmann spruce predominate in the forest cover, which also includes white fir or balsam, alpine fir, and bristlecone (foxtail) pine. There is one large bristlecone pine on the rim estimated to be over 2,000 years old. Typical timberline vegetation is to be seen on portions of the rim. In mid-July the flowers begin to bloom and masses of large white columbine, blue bonnets, and larkspur make a fine display.

Back from the rim, hidden in the trees, the Utah Parks Co. has provided a comfortable lodge with an attractive dining room, lobby, and rest rooms. Sleeping accommodations are available in cabins operated in connection with the lodge at the rate of \$1.25 for one, and \$2 for two persons in a standard cabin room. Housekeeping cabin rooms are \$1.50 per day for one or two persons, with additional charge for blankets and linen. Dining service at Cedar Breaks Lodge is à la carte, except for a \$1 table d'hôte luncheon. Groceries, campers' supplies, gasoline, and oil may be procured. Cedar Breaks Lodge is open from about June 1 to September 20.

A public camp ground is maintained where water, cooking fireplaces, and fuel are furnished.

The season of accessibility varies with weather conditions, but is usually from early June to the first of November. On account of the high altitude, snows persist until late spring. Brian Head, the highest point in this

area, elevation 11,315 feet, located in the Dixie National Forest, 4 miles from the North Entrance, is reached over a fair road.

Cedar Breaks is included in the loop tour operated out of Cedar City by Utah Parks Co.

OTHER NEARBY SCENIC FEATURES

Zion and Bryce Canyon National Parks and Cedar Breaks National Monument are but three of the extraordinary scenic attractions of southern Utah and northern Arizona. If a person makes the full standard tour of this section, he will visit 3 national parks, 2 national monuments, 3 national forests, 5 counties, and 2 States. His elevation above sea level will range from 3,000 feet at Toquerville to 10,400 feet at Cedar Breaks. In addition there are many other points of scenic, scientific, historic, or prehistoric significance. Especially interesting is the odd combination of desert land and almost tropical fertility which makes up Utah's "Dixie." The road winds along through sagebrush-covered sand, dotted with piñon pines, and blue-berried junipers, past gently rolling mountains and foothills where sage and juniper thrive.

UTAH'S "DIXIE"

About 20 miles south of Cedar City the Arrowhead Trail, U S 91, crosses the southern lip of the great intermountain basin which once contained the waters of prehistoric Lake Bonneville and enters the great Colorado River Basin.

From this point the road steadily descends into the valley of the Virgin River. The outstanding feature of this part of the ride is the great Hurricane Fault which forms the bold escarpment to the left. Here the land to the west has dropped several thousand feet, leaving the eastern area a great suspended mesa with an edge ragged as a rip saw and overlooking a stretch of country extending far into Nevada and Arizona. The Virgin River Valley, blessed with rich soil, and accompanied by an abundance of water for irrigation, produces all which characterizes a semitropic America, save citrus fruits. In the early days of Utah's history, before the railroads came, practically all of the cotton used in the State was produced in this valley. As a result, the country came to be known as Utah's "Dixie", and the name is still used.

Formal entry into "Dixie" is made at Andersons Ranch which is 33 miles south of Cedar City, and the point from which the Zion Park Highway branches off from the Arrowhead Trail, or U S 91. From here the route is easterly through the little village of Toquerville, up the face of the great



Cedar Breaks.

fault, and thence up the Virgin River past the villages of Virgin, Rockville, and Springdale to Zion Park. Small green fields and orchards make contrasting green spots against the barren desert country, as every piece of land which can be reached by irrigation is intensively cultivated. This part of Utah was settled by the Mormons in the sixties, a long time before our general western frontiers had been moved this far toward the Pacific.

NORTH RIM OF THE GRAND CANYON

An excellent highway leads from Zion and Bryce Canyon National Parks and Cedar Breaks National Monument to the Grand Canyon National Park in Arizona. U S 89, which goes to the canyon, is reached from Bryce via Red Canyon; from Cedar Breaks via the Cedar-Long Valley Highway; and from Zion via the spectacular Zion-Mount Carmel Highway. On arriving at U S 89 from any of these points, one follows the route south through Kanab, Fredonia, the Kaibab Forest, past the Jacob Lake Station, and on to the North Rim of the Grand Canyon.

Many interesting features are found along the way, including the White Cliffs, Three Lakes Canyon, the Prismatic Plains and painted cliffs between Fredonia and Kaibab Plateau, the beautiful stands of yellow pine, spruce, fir, and aspen in the Kaibab National Forest, as well as the deer and rare white-tail squirrel of that region.

The road ends on Bright Angel Point at Grand Canyon Lodge. The visitor at the North Rim overlooks Bright Angel Creek, where the Kaibab Trail winds its tortuous way into the depths of the mighty gorge to the new suspension bridge across the river, which provides tourists on foot or horseback a means of crossing the canyon. It is 11 miles in an air line across to the South Rim, where the dim outlines of El Tovar Hotel can be faintly seen. The views from the North Rim and from the South Rim are entirely different. On the North Rim one sees close at hand the vast temples that form the background of the South Rim view, looking down upon them and beyond them to the distant canyon floor and its gaping gorge which hides the river. Beyond these the South Rim rises like a great streaked flat wall, and still farther beyond, miles away, the dim blue San Francisco Peaks and Bill Williams Mountains mark the main line of the Santa Fe Railway which gives access to the South Rim. It is a spectacle of sublimity and charm.

From Grand Canyon Lodge many delightful side trips may be made to points of vantage in the national park for wonderful vistas of the canyon. Among the most interesting are those to Point Imperial and Cape Royal on the Walhalla Plateau overlooking the Marble Canyon, where to the east stretches the Painted Desert. Another great North Rim viewpoint is Point

Sublime. Saddle horses may be rented at Grand Canyon Lodge for the various trips over a number of bridle paths recently completed. Automobile trips are available to Cape Royal, Point Imperial, and other points of interest. At Grand Canyon Lodge arrangements may also be made for trips by muleback into the Grand Canyon, including Roaring Springs, Ribbon Falls, and Phantom Ranch, and to El Tovar Hotel on the South Rim.

The post-office address on the North Rim is Kaibab Forest, Ariz.

PIPE SPRING NATIONAL MONUMENT

Pipe Spring is famous in Utah and Arizona history. It was first settled in 1863 and later was purchased by President Brigham Young, of the Mormon Church, and made ranch headquarters for the ranger in charge of a herd of cattle belonging to the church. In the spring of 1870 a stone building known as "Windsor Castle", with portholes in its walls, was erected as a refuge against the Indians. At present two of the old stone buildings are standing. Here, too, was a station of the Desert Telegraph, the first in Arizona.

The best route to Pipe Spring National Monument is by a side trip from Fredonia. However, in going south, tourists under favorable conditions can use the unimproved Rockville-Pipe Spring road, thence on to Fredonia. Pipe Spring is 18 miles west of Fredonia.

KOLOB CANYONS

About 2 miles off the main highway between Cedar City and Andersons Ranch, 44 miles from the entrance to Zion National Park, and not accessible by automobile, are located the marvelous Kolob Canyons. Although practically unknown to the general public, these canyons constitute one of the most unusual attractions of southern Utah. The general area recently was withdrawn from entry under Executive order so that it might be carefully studied with a view to possible national-monument status.

Here the edge of the Vermilion Cliff breaks out sharply from underneath later rock formations, as a result of the great Hurricane Fault, forming a sheer cliff 1,500 to 2,000 feet high. Into the edge of this cliff has been cut a series of eight canyons, some of them exceptionally narrow and with walls rising perpendicularly for 1,000 feet or more. Mountains of magnificent architecture, similar to those of Zion, separate the gorges.

Most easterly of these canyons is that of La Verkin Creek. In some respects it is considered almost equal to Zion Canyon in majesty. From its flank rises Timber Top, a great mesa-shaped peak, which reaches a height of 2,500 feet above its base. On its forested summit no one has ever stood.

Do You Know Your National Parks?

- Acadia, Maine.**—Combination of mountain and seacoast scenery. Established 1919; 21.81 square miles.
- Bryce Canyon, Utah.**—Canyons filled with exquisitely colored pinnacles. Established 1928; 55.06 square miles.
- Carlsbad Caverns, N. Mex.**—Beautifully decorated limestone caverns, believed largest in the world. Established 1930; 15.56 square miles.
- Crater Lake, Oreg.**—Astonishingly beautiful lake in crater of an extinct volcano. Established 1902; 250.52 square miles.
- General Grant, Calif.**—Celebrated General Grant Tree and grove of Big Trees. Established 1890; 3.96 square miles.
- Glacier, Mont.**—Unsurpassed alpine scenery; 250 lakes; 60 glaciers. Established 1910; 1,533.88 square miles.
- Grand Canyon, Ariz.**—World's greatest example of erosion. Established 1919; 1,009.08 square miles.
- Grand Teton, Wyo.**—Most spectacular portion of Teton Mountains. Established 1929; 150 square miles.
- Great Smoky Mountains: N. C., Tenn.** Massive mountain uplift covered with magnificent forests. Established for protection 1930; 615.76 square miles.
- Hawaii: Islands of Hawaii and Maui.**—Volcanic areas of great interest, including Kilauea, famous for frequent spectacular outbursts. Established 1916; 245 square miles.
- Hot Springs, Ark.**—Forty-seven hot springs reserved by Federal Government in 1832 to prevent exploitation of waters. Made national park in 1921; 1.58 square miles.
- Lassen Volcanic, Calif.**—Only recently active volcano in continental United States. Established 1916; 163.32 square miles.
- Mesa Verde, Colo.**—Most notable cliff dwellings in United States. Established 1906; 80.21 square miles.
- Mount McKinley, Alaska.**—Highest mountain in North America. Established 1917; 3,030.46 square miles.
- Mount Rainier, Wash.**—Largest accessible single-peak glacier system. Established 1899; 377.78 square miles.
- Platt, Oklahoma.**—Sulphur and other springs. Established 1902; 1.33 square miles.
- Rocky Mountain, Colo.**—Peaks from 11,000 to 14,255 feet in heart of Rockies. Established 1915; 405.33 square miles.
- Sequoia, Calif.**—General Sherman, largest and possibly oldest tree in the world; outstanding groves of Sequoia gigantea. Established 1890; 604 square miles.
- Shenandoah, Virginia.**—Outstanding scenic area in Virginia section of Blue Ridge. Established 1935; 275.67 square miles.
- Wind Cave, S. Dak.**—Beautiful cavern of peculiar formations. No stalactites or stalagmites. Established 1903; 18.47 square miles.
- Yellowstone: Wyoming, Montana, Idaho.**—World's greatest geyser area, and an outstanding game preserve. Established 1872; 3,471.51 square miles.
- Yosemite, Calif.**—Valley of world-famous beauty; spectacular waterfalls; magnificent High Sierra country. Established 1890; 1,176.16 square miles.
- Zion, Utah.**—Beautiful Zion Canyon, 1,500 to 2,500 feet deep. Spectacular coloring. Established 1919; 148.26 square miles.



AREAS ADMINISTERED BY THE NATIONAL PARK SERVICE

