The Badlands are a wonderland of bizarre, colorful spires and pinnacles, massive buttes, and deep gorges. The forces which carved these features have not only created a unique topography; they have given a strange beauty to an almost desolate land.

Nature's Quiet Accumulation

Out of the flanks of the prairie, wind and rain and water and frost have carved a world of sharp ridges, steepwalled canyons, gullies, pyramids, and knobs—a glimpse into the quiet action of millions

At one time the land of the White River was a broad marshy plain crossed by sluggish streams from the highlands, or so the records here indicate. During this period, 25 to 35 million years ago, mammals increased greatly in variety and quantity. As they died, countless numbers were either buried by the river sediments or sank into the ooze and decaying vegetation of the marshes.

Volcanic activity to the west, perhaps in the Yellowstone region, hurled great quantities of ash into the air. Borne eastward by prevailing westerly winds, it was deposited as the whitish layers of today's Badlands.

Over succeeding millions of years the climate also changed. With new dry winds from the north and diminishing rain, today's grasslands gradually replaced the swamps and silted marshes. Today the annual precipitation is about 41 centimeters (16 inches),

and the prairies persist. Water still drains from the highlands, but now it cuts into the land. Tributaries of the White River carve away the soft, sedimentary layers into fins and expose them to the action of rain and water, creating spires, pinnacles, and sawtoothed ridges. Beneath a capping layer of sandstone, a deposit of clay may suddenly fall away, leaving a shallow cave. Or a bank may slump into a gully below. Few landmarks remain for many generations.

This steeply eroded landscape supports little life. The water it receives sometimes comes in torrential storms that do little but tear away at its soft surface and at whatever small plants may be fastened there. Temperatures on sunny days frequently soar into the 30s C (90s F) or higher; chilly winter days may quickly become bitterly cold.

Yet for some animals and plants there are certain advantages here. Swifts and cliff swallows find the cliff faces fine for nesting, and rock wrens build in the crevasses. Golden eagles occasionally nest on the high buttes. On more gentle slopes where erosion is slowed, junipers patch the canyons and passes with green.

Yuccas thrive on the disturbed and broken slopes and valleys. Clusters of life have become established where water is adequate. Green islands of cottonwoods and wild rose are filled with birds and other small animals.

Here and there is a prairie dog town. And close by are badgers and coyotes that prey on the prairie dogs. Porcupines, chipmunks, and mice may also be seen. Jackrabbits and cottontails live here too, as do snakes—bullsnakes, racers, and prairie rattlesnakes.

Westward settlement in the 19th century doomed many large mammals of the plains, but some have returned. Deer and pronghorn are common again, and the National Park Service has reintroduced bison and bighorn in an effort to restore the scene of the 1800s.

French-Canadian trappers in search of beaver to the west were the first men to record their impressions of the badlands. They described the region appropriately as les mauvaises terres à traverser (bad lands to travel across). Indians in the area called it mako sica (bad land).

The Arikara was the first tribe of Indians to be noted on the western Dakota plains. By the mid-19th century, however, the Sioux ruled this area, and during the next century their culture. based on the hunting of the abundant bison, flourished. The westward movement of the growing United States brought in the army, the miner, and the homesteader. The face of the plains and the life of the native people changed. Forty years of intermittent warfare brought to an end the Sioux way of life and the beginning of the reservation system.

In a short time the cow replaced the bison and in some areas wheat replaced the native grasses. New values were found, too, for the Badlands. In 1939 Badlands National Monument was established to preserve the scenery of this unique area and to protect its great fossil resources and large areas of native prairie. In 1978, the area was raised to national park status, signifying its value for future generations.

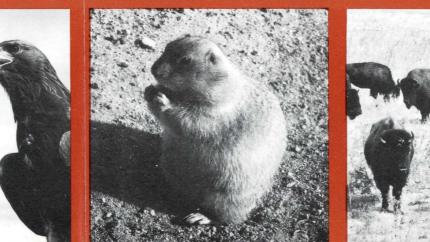
The Land and Its





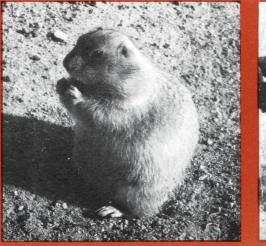


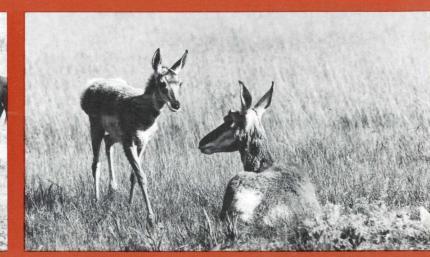








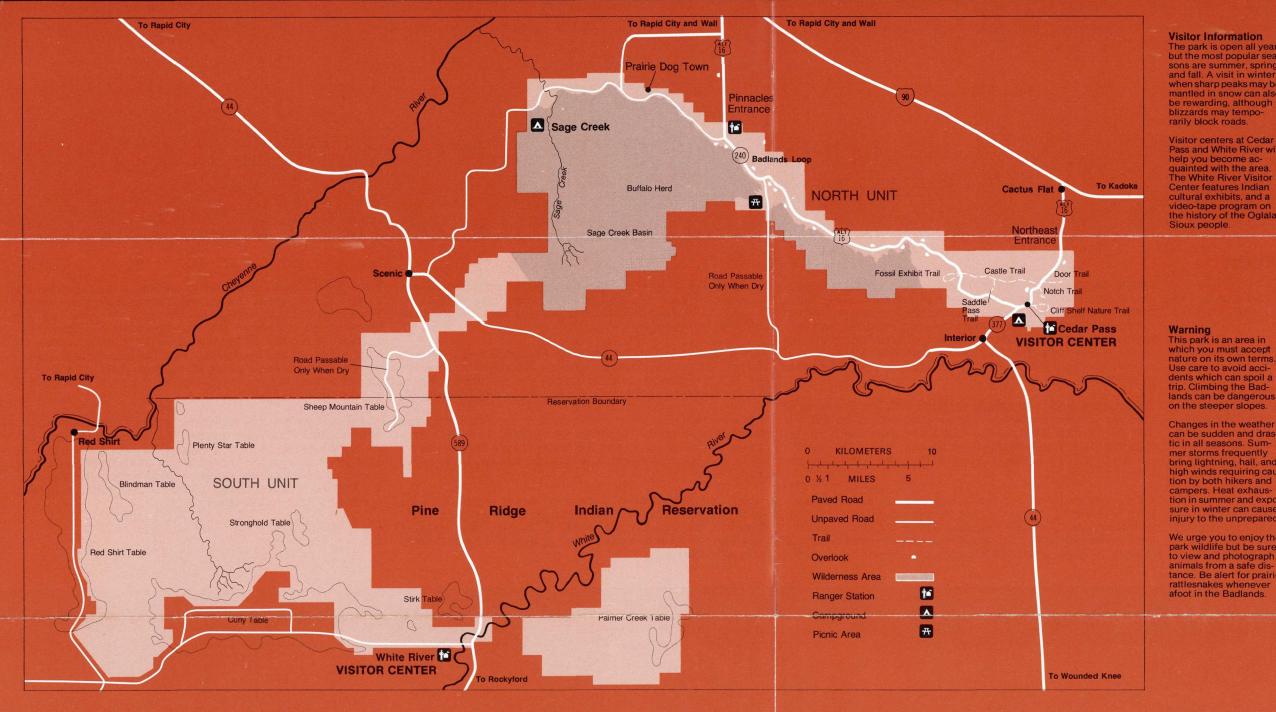




Badlands

National Park South Dakota

National Park Service U.S. Department of the Interior



Visitor Information

rarily block roads.

This park is an area in which you must accept

ground bulletin boards.

South Unit

certain lands on the Pine Ridge Indian Reserva-

ular portion of the White

Cedar Pass Lodge

Help Protect the Park accidents and any haz-

Wilderness Area

Badlands National Park

Return of the Badlands Bison

Travelers to the Dakotas in the early 1800s were astounded to find huge herds of bison darkening large sections of prairie. Herds were measured not in numbers of animals, but by the area they covered. One herd in 1862 measured 8 by 19 kilometers (5 by 12 miles). Another in 1839 covered an area 48 by 72 kilometers (30 by 45 miles). That is an area of bison a little larger than the State of Rhode Island.

Bison are well suited to living on the prairie. Winter blizzards, a hazard to modern cattle, are little threat to bison, for they face squarely into the storm and patiently wait it out. Moving their massive heads back and forth they plow through snow to find the grass underneath. Vast seas of grass in the mid-section of America



A few bison graze today where millions once did. About sixty million of these larger-than-life animals were slaughtered for their hides and tongues in just a few years' time. Commonly known as buffalo, these animals are in actuality

provided an endless food supply. When local droughts did occur, bison would move long distances to better grass and water. Always on the move, bison neither overgrazed nor damaged the prairie grasses.

As the largest North American land animal, bison had no real enemy except man. The plentiful bison were the cornerstone of the elaborate and advanced culture of the Plains Indians. The bison provided them with meat, clothing, shelter, and tools.

The American settlers in their westward expansion almost exterminated the bison, and converted much of the prairie into croplands. By 1889 fewer than 1,000 bison survived in private GPO: 1979-281-324/12

herds, in Yellowstone National Park, and in Canada. Today, under the protection of state and national parks, bison have made a comeback.

Badlands National Park has a herd of 300 bison in the Sage Creek Wilderness Area that can sometimes be seen from the Sage Creek Road. For your protection, enjoy them from a distance, and do not approach them too closely on foot. A large bull can weigh as much as a small car and run faster than a horse. Respect the bison in their natural environment.