Tucson Mountain section





## The Tucson Mountain Section

The dense forest of vigorous young saguaros growing in the Tucson Mountain Section presents a striking contrast to the dwindling population of old giants in the original section of the monument. In addition to the impressive saguaro forest, several plants and animals common only to the western parts of the Sonoran Desert can be seen here. These include the desert ironwood, desert horned lizard, and small sidewinder rattlesnake.

You may easily reach the Tucson Mountain Section westward from Tucson via Speedway Boulevard and Gates Pass Road. And on the way you may wish to visit the Arizona-Sonora Desert Museum, a fascinating presentation of living plants and animals of the Sonoran Desert.

Within the 15,500-acre Tucson Mountain Section, well-maintained dirt roads lead to hiking trails, scenic overlooks, and other points of interest. There are four picnic areas, with tables, shelters, and restrooms, but water and firewood are not available.

## Administration

Saguaro National Monument, established on March 1, 1933, and containing 78,644 acres in two sections, is administered by the National Park Service, U.S. Department of the Interior.

A superintendent, whose address is Box 17210, Tucson, Ariz. 85710, is in immediate charge of the monument.

As the Nation's principal conservation agency, the Department of the Interior has basic responsibilities for water, fish, wildlife, mineral, land, park, and recreational resources. Indian and Territorial affairs are other major concerns of America's "Department of Natural Resources." The Department works to assure the wisest choice in managing all our resources so each will make its full contribution to a better United States—now and in the future.

National Park Service U.S. DEPARTMENT of the INTERIOR

SAGUARO NATIONAL MONUMENT . ARIZONA нолентои коль SANDARIO ROAD



on the trail to Manning Camp

## What to Do and See at the Monument

First, stop at the visitor center, where you will see exhibits explaining how the land acquired its profile and how the rocks and soil that make up the face of the land were formed. Other exhibits relate the story of man in the region, describe the desert's plants and animals, and tell the story of the saguaros.

Next, step outside the visitor center and look around you. In the foreground, you will see the spread of the desert, sweeping away toward the mountains. Studding the desert are thousands of stately saguaros, with lesser desert plants growing at their feet.

Beyond the desert flatlands rise the mountains: first the Tanque Verdes, with a fringe of scattered saguaros on their lower slopes. Beyond these the Rincons lift their forested ridges high above the desert.

Immediately before you is a 9-mile loop road through the saguaros of the flatlands, the Cactus Forest. Along this road are pullouts, where you can leave your car while you follow the short trails. The trails are labeled so that you may come to know the desert plants by name and sight and smell.

For the more hardy visitor, trails lead to the tops of the mountains, to an altogether different world from the desert. The 10-mile trail from Madrona Ranger Station to Manning Camp is one of the outstanding hiking and horseback trails in the Southwest.

Before setting out on one of these trails, check with a park ranger.

Here are a few reminders about regulations:

Leave plants, animals, rocks, and other features as you find them: undisturbed.

Observe posted speed limits.

Keep pets on leash, and out of buildings.

If you have a firearm, leave it in its case.

Deposit litter in containers provided.

Drive only on established roadways.

There are no facilities for camping, lodging, food, or gasoline in either of the two sections of the monument.

## **Plant and Animal Communities**

The plants and plant communities of Saguaro National Monument are adapted to various degrees of temperature and rainfall—factors strongly influenced in turn by elevation.

At the Cactus Forest, the altitude is about 3,100 feet, the average July temperature is 94°F., and the annual rainfall is 3 to 11 inches. The plantlife represents that of the Sonoran Desert, which lies in northwestern Mexico (the state of Sonora) and extends into a small part of the southwestern United States.

In contrast, at the top of Mica Mountain the altitude is 8,666 feet, the average July temperature 68°F., and the annual rainfall from 21 to 35 inches. The plants are the type you would see in parts of southern Canada, at much lower elevations, where the temperature and rainfall are similar to that of Mica Mountain. Thus, the effect of elevation here roughly corresponds to the influence of latitude on a continental scale.

During your visit, learn to recognize the major communities by their typical plant members:

Lower desert (below 3,000 feet): creosotebush, saltbush, and needle grama.

Higher desert (3,000 to 4,500 feet): saguaro cactus, pricklypear, cholla, ocotillo, paloverde, and mesquite.

Woodland belt (4,500 to 7,000 feet): juniper, pinyon, scrub oak, mountain-mahogany, sumac, and manzanita.

Forest belt (above 7,000 feet): gambel oak and ponderosa pine, with Douglas-fir, white fir, and aspen at the highest elevations within the monument.

Although some animals move from one plant community to another, many are adapted to life among the plants of certain environments.

mule deer





night-blooming cereus

The mule deer, for example, subsist on annual herbs and shrubby vegetation, and may be seen in both the desert and the woodland belt. The smaller white-tailed deer generally stay in the forest belt in winter and summer. They browse on aspen, buckbrush, and other shrubs and small trees along the crest of the Rincons.

Peccaries, or javelinas, are usually found in the Cactus Forest. They travel in bands of 3 to 50, wandering through groves of mesquite along desert washes as they search for beans and pods of mesquite and the fruits and pads of pricklypear.

Jackrabbits are desert dwellers, but cottontails (two species) live throughout the monument.

Insects and other invertebrates play an important part in the desert ecology, aiding in plant pollination and providing food for birds and other animals. You may notice the tarantula hawks—large blue-black, red-winged wasps that prey on spiders. Several species of scorpions live in the desert and up the slopes. Be wary of them, for the stings of some species can be serious.

Badgers and coyotes range throughout the monument, feeding on rodents. In winter, the coyotes generally stay below 6,000 feet, where the rodents remain longer out of hibernation and the hunting is easier.

Among the reptiles, the desert tortoises live in the low desert area. There are gopher snakes, red racers, and rattlesnakes at various altitudes at different seasons; and the rare, but poisonous, Arizona coral snakes live in the desert flatlands. However, snakes are not abundant.

The Gila monster is a famous reptile of the Southwest, the largest (up to 22 inches) and only poisonous lizard in the United States. Gila monsters have acquired a reputation that extends far beyond the narrow boundaries of their range—southern Arizona and extreme southwestern New Mexico. They eat birds' eggs, nestlings, and small rodents. Their thick, heavy bodies suggest sluggishness, but they can twist their heads and bite quickly. You are not likely to see any, for they are uncommon in the monument.

One of the most charming times in the monument is early morning, when the many kinds of birds are active. (A bird guide, obtainable at the visitor center, will be useful in identifying the species that you may see.)

Year-round residents of the Cactus Forest are the curve-billed thrasher, cactus wren, Gambel's quail, roadrunner, Gila woodpecker, gilded flicker, pyrrhuloxia, house finch, and loggerhead shrike. The whitewinged dove is here principally in summer.

In the foothills and mountains live the rare harlequin quail, Mexican jay, Bewick's wren, black-tailed gnatcatcher, red-shafted flicker, hairy woodpecker, and Steller's jay. Numerous others—such as the bandtailed pigeon and broadtailed hummingbird—are summer residents.

saguaros



