

The desert is immense and infinitely variable, yet delicately fragile. It is a land shaped by sudden torrents of rain and climatic extremes. Rainfall is sparse and unpredictable. Streambeds are usually dry and waterholes are few. This land may appear defeated and dead, but within its parched environment are intricate living systems, each fragment performing a slightly different function, and each fragment depending upon the whole system for survival.

Two deserts, two large ecosystems primarily determined by elevation, come together at Joshua Tree National Monument. Few areas more vividly illustrate the contrast between high and low desert. Below 910 meters (3000 feet), the Colorado Desert, occupying the eastern half of the monument, is dominated by the abundant creosotebush. Adding interest to this arid land are small stands of spidery ocotillo and jumping cholla cactus. The higher, slightly cooler, and wetter Mohave Desert is the special habitat of the undisciplined Joshua tree, extensive stands of which occur throughout the western half of the monument.

Standing like islands in a desolate sea, the oases, a third ecosystem, provide dramatic contrast to their arid surroundings. Five fan-palm oases dot the monument, indicating those few areas where water occurs naturally at or near the surface, meeting the special life requirements of these stately trees. Oases once serving earlier desert visitors now abound in wildlife.

The monument encompasses some of the most interesting geologic displays found in California's deserts. Rugged mountains of twisted rock and exposed granite monoliths testify to the tremendous earth forces that shaped and formed this land. Arroyos, playas, alluvial fans, bajadas, pediments, desert varnish, granites, aplite, and gneiss interact to form a giant desert mosaic of immense beauty and complexity.

As old as the desert may look, it is but a temporary phenomenon in the incomprehensible time-scale of geology. In more verdant times, one of the Southwest's earliest inhabitants, Pinto Man, lived here, hunting and gathering along a slow moving river that ran through the now dry Pinto Basin. Later, Indians traveled through this area in tune with harvests of pinyon nuts, mesquite beans, acorns, and cactus fruit, leaving behind rock paintings and pottery ollas as reminders of their passing. In the late 1800s explorers, cattlemen, and miners came to the desert. They built dams to create water tanks and dug up and tunneled the earth in search of gold. They are gone now, and left behind are their remnants, the Lost Horse and Desert Queen Mines and the Desert Queen Ranch. In the 1930s homesteaders came seeking free land and the chance to start new lives. Today many people come to the monument's more than 200,000 hectares (half million acres) of open space seeking clear skies and clean air, and the peace and tranquility, the quietude and beauty, only deserts offer.

The life force is patient here. Desert vegetation, oftentimes appearing to have succumbed to a sometimes harsh and unforgiving environment, lies dormant, anxiously awaiting the rainfall and moderate weather that will trigger its growth, painting the

monument a profusion of colors. At the edges of daylight and under clear night stars is a fascinating multitude of generally unfamiliar desert wildlife. Waiting out daytime heat, these creatures run, hop, crawl, and burrow in the slow rhythm of desert life. Under bright sun and blue sky, bighorn sheep and golden eagles add an air of unconcerned majesty to this land.

The desert. Some think it wretched and seemingly useless. For all its harshness the desert is a land of surprising variety and complexity, a land of extreme fragility. Today's moment of carelessness may leave lasting scars or disrupt an intricate system of life that has existed for eons. Viewed from the road-side, the desert only hints at its hidden vitality. To the close observer, however, a tiny flower bud or the lizard's frantic dash reveals Joshua Tree National Monument as a place of beauty and life. Take your time as you travel through this area. Joshua Tree National Monument provides a space for finding freedom from everyday routines, space for self-discovery, and a refuge for the human spirit. Let the desert take hold of you.

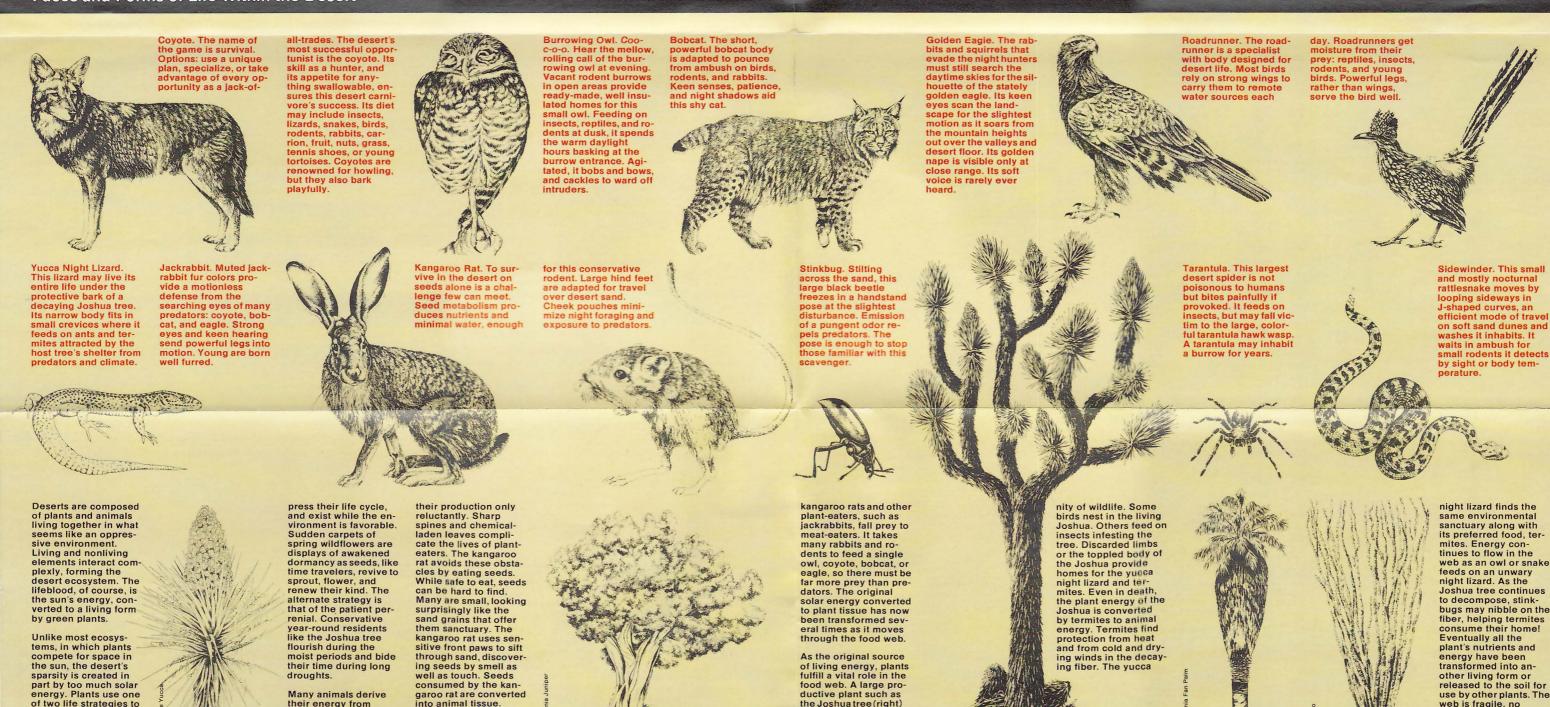
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## Faces and Forms of Life Within the Desert

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## Joshua Tree

National Monument California

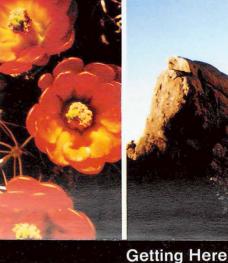
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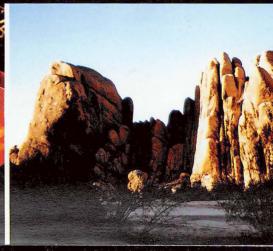












For Your Enjoyment

tion at most information stations.

Park rangers are here to help you have an enjoyable, safe visit. Detailed information on weather, road conditions, backcountry use, campgrounds, and regulations may be obtained from the rangers on patrol or at visitor centers or stations. Rangerconducted activities, available on weekends during the fall and spring, can increase your understanding

Visitor centers, ranger stations, entrance stations, and wayside exhibits are located along main roads leading into and through the monument. These proof the monument. Ask about current programs. vide you opportunities to acquaint yourself with park resources. Publications on the monument are For further information write: Superintendent, sold by the Joshua Tree Natural History Associa-Joshua Tree National Monument, 74485 National Monument Drive, Twentynine Palms, CA 92277 or call (619) 367-7511.

**Facilities and Services** 

Nine camparounds, with tables, fireplaces, and toilets, have been developed. Several picnic areas for day use are available. You must bring water and firewood. Find motels, gasoline and dump stations, stores, and restaurants in nearby towns. Walks, hikes, and campfire talks are conducted principally in spring and fall; information is posted on campground bulletin boards and at ranger stations and **For Your Safety** 

The desert, fascinating as it is, can be unforgiving for those unfamiliar with its potential dangers.

Periodic rainstorms produce flash flood conditions. Avoid canyons and washes during rainstorms. If you encounter flowing water, do not attempt to cross until it has subsided and the way is safe.

Boulder piles attract children as playground equipment does in city parks - be aware of the hazards. Weathering makes rock climbing hazardous, loosDesert animals are wild. Respect them. Rattlesnakes are indigenous to the desert, seeking warm sunshine in cool weather and the shade of bushes and rocks in warm weather.

Abandoned mine shafts, (some extending hundreds of meters/yards in depth) with loose rock at their openings, make "getting a closer look" a potential disaster. Stay clear!

Be cautious and use common sense in the out-of-

Joshua Tree National Monument lies 225 kilo meters (140 miles) east of Los Angeles. You can approach it from the west via Interstate 10 (US 60) and 29 Palms Highway (Highway 62) to the north entrances of the monument at the towns of Joshua Tree and Twentynine Palms. The south entrance at Cottonwood Springs, which lies 40 kilometers (25 miles) east of Indio, can be approached from east or west, also via Interstate 10.

## Points of Interest, Keyed to the Map

The monument may be visited year around, and

each season adds its personality to the desert's

Oasis of Mara (1) Inhabited first by Indians and later by pros-pectors and homesteaders, the oasis quarters and the Oasis Fortynine Palms Oasis (2) This oasis, where water loving plants thrive and thirsty ani mals come to drink, is accessible by a 2.5-kilo-meter (1.5-mile) moder ately strenuous trail.

Hidden Valley (3) A trail system winding between massive boul-ders leads you through this legendary cattle rustler's hideout and introduces some of the plants and animals of

Barker Dam (4)
Built around the turn of the century to hold water for cattle and mining purposes, the dam today forms a small rainfed reservoir uti-

Lost Horse Mine (5) This historic site, representative of the monument's gold prospecting and mining history, is accessible by a 2.5-kilometer (1.5-mile)

Keys View (6) This outstanding scenic point in the monument gives a superb sweep of valley, mountain, and desert from its elevation of 1576 meters (5185

Ryan Mountain (7) A 2.5-kilometer (1.5 strenuous trail to the 1660-meter (5461 feet) summit offers several lookout points with fine views of Queen, Lost Pleasant Valleys.

nature tour along a dirt road winds through so

Cholla Cactus Garden (9) Bigelow cactus con-centrate to form this unique garden. A short self-guiding nature trail Desert winds through

Noted for its birdoasis is easily accessible by road. A small visitor center with dis-plays is located approxmately 1.6 kilometers

Lost Palms Oasis (11) This pasis, representing may be reached by a desert landscape

Transition Zone (12) An ecological melting pot where two great deserts, the Mohave and the Colorado, meet to form a zone that con-tains plants and animals representative of each

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In 1976 Congress designated
more than 189,000 hectares
(467,000 acres) of Joshua Tree
(467,000 acres) of Joshua Tree National Monument as wilderness. Most of the monument away from road corridors is wilderness. If you plan to venture into these areas, you must be familiar with special rules and regulations governing wilder-Cottonwood Visitor Center Off road driving is prohibited. COTTONWOOD MOUNT AIM 0 1 8 kilometers 4-wheel Drive Road Drinking Water Campground Ranger Station Chiriaco Summit (195) to Salton Sea to Salton Sea