

Hedgehog cactuses and their relatives are members of the tribe Echinocereeae in the subfamily Cactoideae. Such cacti are recognized by several distinctive characteristics similar to their cousins in the tribe the cacteae: spherical to short columnar growth, ribbed unsegmented stems, and areoles that produce various numbers and shapes of unsheathed spines, but no glochids (bristles). However, the tribe differs in having some members that are arborescent (tree-like), bear flowers that are usually nocturnal, and are found mainly in the deserts of Mexico and the southwestern US. Echinocerids are common in the Mojave Desert, though represented by only a half dozen or so species.

Subfamily BCHINOCERREAE (Hedgehogs)

Strawberry Hedgehog



Christmas Tree Pass; NV



Cerbat Mtns; Mohave Co.; AZ



Red Spring; Red Rock Canyon NCA; NV



Red Rock Cyn NCA; NV



Boss Mine; Goodsprings; NV

Flowers: areolic; tubular; solitary, diurnal; green stigmas, yellow anthers; magenta; 3.5"

Stems: cylindrical barrel; solitary to many; branched at base; stout, erect, fluted (ribbed); green; 24"

Leaves: spines; smooth; stellate clusters; interlaced, straight to curved; white, straw yellow, red brown; 3"

Blooms: February to June

Range: southwestern US; Baja California and Sonora, Mexico

Habitat: dry; gravelly to rocky; desert scrub to montane woodlands; Lower Sonoran to Transition LZs

Notes:

common; perennial; grows to 2' (usually less)) throughout the Mojave Desert south through Baja and n MEX at elevations up to about 7,000'; fleshy, spiny, pink, 2" fruit that produce black .1" seeds; 6-14 radial spines, 2-7 central (longest central spine flat, bladed) per areole; no glochids; aka Emgelmann's Hedgehog, Calico Cactus, etc.; 8 subspecies; often used in landscaping; pollinated by bees (mainly leafcutter); fruit and buds edible raw or roasted

Mojave presence: native

Comments:

This cactus is one of the most commonly encountered in the Mojave. When in bloom, its showy flowers are among the largest of any cactus species. Outside of bloom, its clumps of many barrel-like stems covered with mixed white to red-brown spines is distinctive and characteristic. Once you learn to recognize this species, you'll never mistake it for any other similar cacti, though identifying the many varieties can be tricky!

Subfamily HCHINOCHREAE (Hedgehogs)

Mojave Mound Cactus



Clark Mtn; Mountain Pass; CA



Potosi Mtn; Goodsprings, NV



Potosi Mountain; Goodsprings District; NV



Potosi Mtn; Goodsprings, NV



Clark Mtn; Mountain Pass; CA

Flowers: perianthic; funnelform; apical; round petal tips, green stigmas, pink anthers; searlet red; 2"

Stems: spherical to cylindrical; up to 300; branched from the base; undulately fluted; green; 12"

Leaves: spines; smooth; densely interlaced; curved/twisted; white, tan, pinkish; 2.5"

Blooms: April to June

Range: southwestern US; northern Mexico

Habitat: gravelly to rocky; desert scrub to montane woodlands; Lower Sonoran to Canadian Life Zones

Notes:

uncommon; perennial; highly variable in spination, depth of flower color, etc.; grows in compactly rounded mounds to 3' tall, 5' wide, from se CA east through the Mojave Desert to w CO/NM, south into MEX at elevations of 3,000 to 10,000'; flowers mainly nocturnal; juicy, cylindrical, green-yellow (young) to red (mature), spineless, 1" fruit; 5-13 spines (5-9 radial; 1-4 central) per woolly areole; no glochids; aka Claret-Cup Cactus, Mojave Kingcup Cactus; formerly known as E. triglochidiatus; host to hummingbirds, bees, etc.; fruit edible raw or cooked

Mojave presence: native

Comments:

Though generally uncommon, this cactus can be locally abundant. When in full bloom--which is quite impressive--it can easily be confused with the closely related Scarlet Hedgehog E. coccineus (next page). The most conspicuous difference in the field is the spines: straight on the scarlet; curved on the Mojave mound.

Subfamily ECHINOCEREAE (Hedgehogs)

Scarlet Hedgehog



West Rim; Grand Cyn; AZ



West Rim; Grand Cyn; AZ



West Rim; Hualapai Plateau; Grand Canyon; AZ



West Rim; Grand Cyn; AZ



Flowers: perianthic; funnelform; round petal tips, green stigmas; pink to scarlet red (yellow throat) 3.5"

Stems: spherical to cylindrical; few to many; branched from base; fluted; green; to 16"

Leaves: spines; smooth; straight, densely interlaced; yellowish (new) to gray (old); 3"

Blooms: March to June

Range: southwestern US; northern Mexico

Habitat: rocky; desert slopes to montane woodlands; Upper Sonoran to Canadian Life Zones

Notes:

uncommon; perennial; grows as mounded clumps of up to 100 stems to 1.5' tall, 3' wide, in the sw US from TX west to s CA, CO/UT south to n MEX at elevations of 4,000 to 9,000'; flowers perfect (bisexual) or dioecious (male and female on separate plants) depending on subspecies; fleshy, juicy, spiny, green to red-brown fruit with white pulp; 5-24 undifferntiated spines (5-20 radial, 0-4 central) per areole; no glochids; aka Kingcup Cactus, Mexican Claret Cup, etc.; 3 subspecies; pollinated by bees and hummingbirds attracted to the flower's central nectar chamber

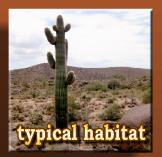
Mojave presence: native

Comments:

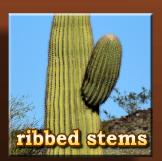
While widespread throughout its narrow range, scarlets are rather uncommon and difficult to recognize when not in bloom. The specimen shown here (with pistillate flowers) from the West Rim of the Grand Canyon is the only one I have photographed presenting its beautiful flowers!

Subfamily RCHINOCEREAE (Saguaros)

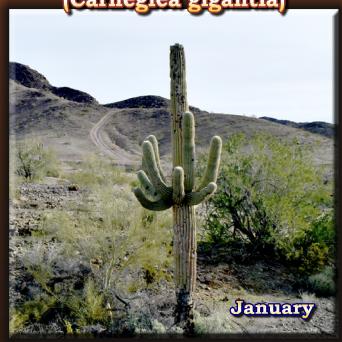
Giant Saguaro



Hualapai Mtns; AZ



Quartzsite; AZ



Quartzsite; La Paz County; Arizona





Hualapai Mtns; AZ

Flowers: perianthic; funnelform; apical; reflexed tepals, yellow stigmas, pink anthers; white; 3"

Stems: columnar, arborescent; one to many; branching from trunk; fluted; green; ~48"

Leaves: spines; smooth; radial; rigid, straight; white to gray; 2"

Blooms: May to June

Range: Sonora, Mexico; southwestern US

Habitat: arid well-drained; gravelly to rocky; desert flats, slopes; Lower Sonoran Life Zone

Notes:

common; perennial; grows to 50' (usually less) in the Sonoran Desert and transition zones from n MEX north to Kingman, AZ, west to just across the Colorado River in CA at elevations below 4,500'; scaly, pear-shaped, 4" fruit with dark red pulp and black seeds; 16-30 spines per woolly areole; no glochids; flowers open in evening (for only 1 day); aka Giant Cactus; provides food and shelter for wildlife; fruit (rich in sugar, protein, vitamin C) and seeds eaten raw by native peoples, and used to make beverages, jams, cakes, etc., while stem ribs used for thatching, fencing, etc.

Mojave presence: transition zone

Comments:

Being a Sonoran cactus, the saguaro's only appearance in the Mojave is in the transition zone between the two deserts, such as by the Antler Mine in the Hualapai Mountains near Kingman, AZ (upper left). Flowers are seldom seen since they bloom in the evening for only one day!



