## unflower family used for rubber, insecticide utdoor



desert place

CONSERVATION COMMITTEE of the Cave Creek Improv through preservation

By Daevid Lutz

the sunflower family, though many are about 165 genera and 600 sunflowers at all. Within the family Compositae, commonly know as distinguish as a family. I refer to Arizona also is one of the easiest to and most diverse family of plants in plants do not obviously resemble erbs to large shrubs. It is interesting that the largest

appearing compound, and can be of only one blade for each stalk almost any arrangement and shape. the blades may be deeply cut branching from the main stem, but The leaves are simple, having

> may wonder, how then can they be variety of sizes and shapes. You range of variability. They can be distinguished from other families? any color of the rainbow and have a The flowers too exhibit a wide

species ranging from insignificant head on a receptacle; thus the name good visual example of the commercial seeds are obtained is a sunflower from which Compositae. The cultivated structure. While not all the heads fruits also, are borne in a composite is that the flowers, and therefore the very rarely is there only one flower have that many individual flowers The most important characteristic

other families.

surround the receptacle. The bracts Another characteristic are the bracts, called phyllaries, which are also variable, ranging from notice the same basic structure. outward radiating petal) is a good green and leaf-like to thin, dry, and Compositae do not have ray ray flowers (those with a large lowers. ndication of the plant belonging to he sunflower family,many

anthers and encircling the style, but often this is not easy to observe. above the petals. There are usually their bases at the top of the seed five stamens connected by the divergent branches and projects producing structure, the ovary. joined together and connected at Often the style which grows from he top of the ovary has two The petals of each flower are

you imagine the sunflower seeds available at stores, the hard The fruits are termed achenes. If stamily, Arizona's second largest.

per head leading to confusion with contershell is the pericarp, the wall all species of flowering plants in flowers of a plant known sit is carefully cut in half, you will eat is the actual seed. Often the whole fruit is small and hard but if of the ovary, and the inner part you

scale-like. Though an outer ring of structure at the top called a pappus. Composite to its genus or species determining if a plant is a member the pappus of desert broom produces our "desert snow." of the sunflower family, keying a seed. All it requires is a bit of wind is a good example of how the more scales. The dandilion puff-ball or a child and a puff of air. Locally, pappus functions to distribute the hair-like or feather-like, or one or like organ, a series of bristles either This can be a single, thick, bristle-In contrast to the relative ease of Many achenes also have a

the same can be said of the grass account for more than one-fourth of requires a microscope. Interestingly, is quite difficult and frequently Together, these two families

our state.

may be used as a coffee substitute. Some well known commercial are also used as food and the roots officinale is common in Arizona. annuus). Dandelion sunflower endive (cichorium endivia), salsify artichoke (helianthus tuberosus), lettuce (lactuca sativa), artichoke plants in the sunflower family are Chicory leaves (chicorium intybus) (cynara scolymus), Jerusalem-(tragopogon porrifolius), and (taraxacum spp.) are edible and T. seeds (helianthus greens

official drug plant. The powdered A. millefolium, can be found in medicinally and the eastern species, (grindeliaspp.) is listed as an Yarrow (achillea lanulosa) is used stores. Gum-weed

commercially used as an insecticide. pyrethrum (chrysanthemum sp.)

near Sacaton, Arizona. its first farm and processing plant Mexico has used the plant for many suitable for commercial growing other properties that make guayule gives the best yield and has other members of the sunflower into a high quality rubber. While years but this country is developing family also contain these resins ts resins which can be processed parthenium argentatum), grown for Another useful plant is guayule

a close look at the structural sunflowers, spend a moment to take beauty of one of Arizona's Next time you're admiring the